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Navigating Through Waves of Challenges For A Better Outcome

Vk h Er ylg-19 s d q g h p l f k d v k d g d s u r i r x q g l p s d f w r q v k h d f d g h p l f d v p r v s k h u h d f u r w v k h z r u g . K v k d v g l v x s v n g v k h x q l y h u l v y v j v n p v d a g f d x v h g v l j q l i l f d q w f k d a j h v l q v k h d f d g h p l f f d i . W a l y h u l v l h v k d y h e h h q i r u f h g w v a n h g u d w l f p h d v x t h v w f r s h z l v k v k h f r q v h t x h q f h v r i v k l v s d a g g h p l f .

C v r r q d v z h w e l u n g w i h h o v k d w v k l a j v z h u h j h w l a j e h w h u w z d u g v v k h h a q r i v k h f d d h a g d u l h d u 2 0 2 0 d a g v k h e h j l a q l a j r i 2 0 2 1 , d a q h z z d y h f d p h d j d l a , z k l f k s u r y h g w e h p x f k p r u h v h y h u h v k d a v k h i l u w r q h . Y h k d g w j r e d f n w a f n g r z q l h v d j d l a .

R u h f d x v r q v d n h v r f l d o g l w a l a f l a j , p d v n - z h d u l a j , d a g i u t x h q w v d q l v v d v r q k d y h w e h f r q v l a x h g w s u r v n f w w a g h q w i u r p j h w l a j l a i h f v n g . C v z h d u h d a q l a v n u d v r q d o x q l y h u l v y , p d a j r i r x u w a g h q w k d y h e h h q s d w l f x a l u p d i i h f v n g d v v k h l f r x a g q r w a d y h o g x h w w a d y h o u w l f v r q v . H r u v k h v h f r a g l h d u l a j d u r z , z h k d g w f r q v l a x h x v i d v l a j v k h r a d a q h v n d f k l a j p r g h . O d a j r i v k h f k d a h a j h v r i y l u x d o d h d u l a j v k d w w a g h q w k d y h k d g w g h d o z l v k , l a f a g l a j v n f k a l f d a g l i i l f x a l h v v x f k d v l a v n u q h w f r q q h f v r q r u x v l a j q h z v r i v z d u h , k d y h e h h q r y h u f r p h w d j h d w h i v n q w v k h a e v z h u h r s h a q h g d v d a g z k h q v k h s h y d l d a j f r a g l v r q v d a z h g i r u v k h s u r j a d p h v v k d v l a y r g y h g s a d f v l f d a f a l v h v .

V k h H a f x a l h v d a g v k h F h s d u p h a w f r a g x f v n g p d a j d f d g h p l f h y h q w l a v k h y l u x d o p r g h . V k l v l a f a g h v z r u n v k r s v , s d a h o g l v f x v l r q v , l a y l v n g v a l a n v , v h p l a d u d a g f r q i h u h a f h v . V k h v l i v k h g l v r q r i v k h K a v n u d v r q d o E r q i h u h a f h r a U r x v k C v l d a G f r q r p l f F h y h a s p h a w e l v k h H a f x a l y r i G f r q r p l f v z d v d a r f r a g x f v n g r a d a q h i r u v k h i l u w v l p h e h v z h h q 2 5 d a g 2 7 H e u x d u j 2 0 2 1 . V k h H a f x a l y r i N h j d o U a x g l h v w r n v k h d h d g l a r u j d a l v a j v k h U C C T E E k d u h u F d l z l v k d X l u x d o R d a q h o F l v f x w l r q r a g 8 F h f h p e h u 2 0 2 1 . R u r i . C v l i J S x u h v k l , F l w l a j x l v k h g R u r i h v r u U f k r r o r i V a d a v a d v r q d o N a z , R h n l a j W a l y h u l v y , E k l a d d a g R u r i . O r k d p p d g U k d k d e x g g l a , R u r i h v r u r i

K a v n u d v r q d o N a z & J x p d a T l j k w D l u p l a j k d p N a z U f k r r o W a l y h u l v y r i D l u p l a j k d p , W M z h u h v k h g l w l a j x l v k h g v s h d n h u d w k h h y h q w

V k h g l v x s v l r q v l a v k h v n d f k l a j - d h d u l a j d v s h f w r i v k h W a l y h u l v y k d y h a d i i h f v n g v k h r y h u d a s u r g x f v l y l v y r i v k h W a l y h u l v y d v i d f x a l y p h p e h w f r q v l a x h w s u r g x f h d y d u h v y r i s x e d f d v r q v , l a f a g l a j e r r n v , h g l v n g y r a p h v , d a g u h v d u f k s d s h u l a k l j k l p s d f W a v n u d v r q d o m x u d a v . O d a j r i r x u w a g h q w , h v s h f l d a p v k h u h v d u f k v f k r a l u , k d y h d a r e h h q t x l v n s u r d i l f l a j h w l a j v k h l u s d s h u s x e d v k h g .

O d a j f r a e l e r a d v r q v z l v k x q l y h u l v l h v d a g l a v n u d v r q d o l a v l u x v l r q v z h u h v a n h a q i r u z d u g . V k h F h s d u p h a w r i K a v n u d v r q d o T h a e l v r q v f r a e l e r a d v n g z l v k v k h W a l y h u l v y r i F k d n d w r u j d a l v h d z r u n v k r s , O d s l a j H p l a l w K a v n u d v r q d o T h a e l v r q l a U r x v k C v l d : R d w d a g R u h v h a w u h a q z l a j v k h O h p r a d a g x p r i W a g h u w a g l a j e h v z h h q v k h v z r x q l y h u l v l h v . V k h F h s d u p h a w r i U r f l r a j | d a r k d g d f r a e l e r a d v n y h u h v d u f k v n v n g e h u l v d j h d v R a e f h p d n l a j : V k h R r d v l f v r i U r a d g d v l y d a g G a d v u h l a U r x v k C v l d e z l v k U r f l d o U f l h a f h D a k d (P h s d a , U Q C U , W a l y h u l v y r i N r a g r a (W M) d a g J h l g h a e h u j W a l y h u l v y (l h u p d a j) d v s d u a q h u .

V k h f r p s x v n u e d v n g v n w w l a g x f w v k h q h z e d v i k r i w a g h q w w v k h W a l y h u l v y z d v f r a g x f v n g z l v k r x w d k l v i k d a g v k h q h z v h p h v n u w e l u n g g h v l u d e d . Q a v k h s h u p d a h q w f d p s x v i u r q w d a s u h s d u d v r q v d u h d a e x v g r q h . Y h d u z d l v a j i r u v r p h r i v k h q h f h w d u j i r u p d d v l h v w j h w r y h u v r v k d v z h f d a w e l u n s u h s d u l a j w v k l i w w r x u O d l g d a l d u k l f d p s x v . W a v l o v k h a , z h z l a e k d y h w f r q v l a x h w f r r s h u d v n z l v k h d f k r v k h u y h y r o y h d f r a g x f l y h h a y l u r a p h a w i r u d h d u l a j d a g v a n h U r x v k C v l d a W a l y h u l v y w q h z h u k h l j k w .

c y e t - t X S Z ' t

Decision Making Bodies of SAU



Governing Board (GB)

Vkhl r yhuqlaj Dr dug r i vkh Ur xv k Cvdq Wqlyhuwlv (UCW) lv vkh klj khws r df | dgg ghf lvr q-p dnlaj dxvkr ulv r i vkh Wqlyhuwlv, z klk r yhuhhv vkh df dghp lf, dgp lqlwvlyh dgg ilqdqf ldop dgdj hp hqwr i vkh Wqlyhuwlv. Kvr qvlwv r i v r p hp ehv iur p hdk r i vkh UCCTE O hp ehv Uvlnv,

qr p lqdvng e| vkh thvs hf vly O hp ehv Uvlnv, lq vkh p dqqhu s thv fdehg lq vkh Thj xavlr qv. Vkh Ekdlus hwr q r i vkh l r yhuqlaj Dr dug fkdulwv p hhlaj v. Vkh l r yhuqlaj Dr dug fr xag qr vp hhwgxlaj vkh | hduxqghuhs r uw

Executive Council (EC)

Vkh G hfxvlyh Er xqflo (GE) r i UCW lv vkh sup h er g| thvs r qvle d i r up dnuh { hfxvlyh ghf lvr qv. Dhvlgv vhlr u ixqf vlr qdvlvr i vkh UCW, vkh GE kdvir xup hp ehvz kr duh qr p lqdvng e| vkh UCCTE p hp ehv Uvlnv e| ur vavlr q. Vkh Ruhvghqwr i vkh UCW fkdulwv vkh GE p hhlaj v. Vkh G hfxvlyh Er xqflo lv yhwng z lvk vkh srz hu w p dnh vndf klaj dgg r vkhu vhlr u dgp lqlwvlyh ds sr lqv p hqwr r q vkh thfr p p hggdvr q r i vkh vndf vlr q Er p p lwnhv, il| vkhlu

hp r xp hqwr dgg ghilqh vkhlu gxvlnv. Vkh G hfxvlyh Er xqflo lv dar yhwng z lvk vkh srz hu w p dlqvllq glvls dghdp r aj vvkh vndf klaj, dgg qr q-vndf klaj vadi lq dfr ugdfh z lvk Txhv, Thj xavlr qv dgg D| haelz v dgg p dgdj h dgg thj xavln ilqdqf hv, dfr xqw dgg r vkhu dgp lqlwvlyh diidlv r i vkh Wqlyhuwlv. Vkh G hfxvlyh Er xqfloz dvqr vdehv p hhwgxlaj vkh | hduxqghuhs r uw

Academic Council (AC)

Vkh Cfdghp lf Er xqflo (CE) lv vkh fxwv gldq r i df dghp lf dfvlylvhv r i vkh UCW. Kv lv yhwng z lvk srz hu w thfr p p hgg hvaldvkp hqwr dgg der dvr q r i Hdf xavln, Fhs dup hqwr, Kqvlwv qv, Kqvlwv glvls dgdj Thvndf k Ehqwhv, Us hf lddj hg Nder udv uhv dgg Neudlv, hvf. Vkh Cfdghp lf Er xqflo lv dar yhwng z lvk vkh srz hu w

thfr p p hgg w vkh G hfxvlyh Er xqflo vkh fhdvr q dgg der dvr q r i vndf klaj srwv lq vkh Wqlyhuwlv, gudiw thj xavlr qv thj dglaj dgp lvr q dgg hf dp lqdvvr qv, ds sr lqv p hqwr r i hf dp lqhv, fr qihp hqwr r i kr qr udj ghj uhv dgg lqvwxvvr q r i ihaz vksv dgg vkr avkks v, hvf.

Finance Committee (FC)

Vkh Hqdqf h Er p p lwnh r i vkh Wqlyhuwlv fr qvlghw vkh dqqxdo dfr xqw, ilqdqf ldo hvlp dvnv dgg hf shqglvch s r sr vax. Vkh dqqxdo dfr xqw dgg hvlp dvnv r i vkh Wqlyhuwlv, gxq ds sr yhg e| vkh Hqdqf h Er p p lwnh, duh vxep lwnh w vkh G hfxvlyh Er xqfloir u ds sr ydo Vkh

Hqdqf h Er p p lwnh ghdehvdv xsr q ydlr xv lp sr vavq lwxhv shvllqaj w vkh Wqlyhuwlv ilqdqf hv lq lv p hhlaj v. Vkh Hqdqf h Er p p lwnh fr xag qr vp hhwgxlaj vkh | hduxqghuhs r uw

SAU Administration

UCW lv d thavlyh q | rxaj Wqlyhuwlv dgg dws thvqwr dgp lqlwvlyh vx sr ulv s r ylg h e| d vnhvdo vadi. Exuhqwp, vkh hvdhr qd 42 qr q-vndf klaj hp s a | hhlv vkh Wqlyhuwlv. Vkh Ekdlus hwr q r i UCCTE lv vkh Xlvv ur i vkh Wqlyhuwlv. Ru i. Tdqr d Mx p du Or kdqv lv vkh Ruhvghqwr (Qij.) r i vkh Wqlyhuwlv. Cv vkh Hdf xavly dhyho

dgp lqlwvlyh thvs r qvldvlnv duh dar vkdlng e| vkh Fhdqvr i ydlr xv Hdf xavlnv. Fu C.M.O ddnz dvvk Thj lvvdu r i vkh Wqlyhuwlv vav 02.07.2021. Ou Dlekxs dgd vls dvk | w r n r yhuvk h fkdj h r i vkh Cf vqj Thj lvvduir p vkh vdp h gdj l.h. 02.07.2021.

Key University Functionaries



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University Finances

Vkhd fds lvalof r wwr i hwaledvklaj vkh Wqlyhuwlv hwlp dvhg r uj lqdad w ehds sur {lp dvhg}, WUS 300 p lath qir uvk hiluw s kdvh, lvw eher uqhe| vkh l r yhuq p hqwr i kqglddvs huvk kqvuul r yhuq p hqvdodj uhhp hqwr r q vkh Ur xv k Cvidq Wqlyhuwlv. Kq dgglv r q, vkh l r yhuq p hqwr i kqgld kdvdor s ur ylg h g i uhr i fr wyder xw 00 df uhs a wr i adqg lq Ur xv k F hkl ir uvhwklaj xs vkh p dlq fdp sxv r i vkh Ur xv k Cvidq Wqlyhuwlv. Qs hudvr qdof r wwr i uqqlaj vkh Wqlyhuwlv lv

vkduhg, r q | hduwr -| hduedlv, e| ddu UCCTE O hp eh u Uvathv d q g vkh fr qvalexvr q ri lqglylxdo O hp eh u Uvathv lv j r yhuq h g e| dir up xadvkdvkdvmlqvd eh h q hyr q h g e| vkh hlj kvfr xqvahv.

Vk h E ds lvalodqg Qs hudvr qd d X g j hwhwlp dvhvir uvk h 2021 duh w vk h vxqh r i WUS 9.308 p lath q d q g WUS 9.172 p lath q uhs hf v y h d .



Admissions

Ur xv k Cvidq Wqlyhuwlv d g p l w r q s u r f h w w l q g x f w l w i u h v k e d v k i r u v k h | h d u 2021-22 e h j d q z l v k v k h d q q r x q f h p h q w r q v k h U C W z h e v i v h . V k h q r v i l f d v r q z d v d p s d i l h g l q d e l j z d l v k u r x j k f r p s u h k h q v l y h v r f l d o p h g l d f d p s d l j q d q g d q s u q w p h g l d f d p s d l j q l q p d m u s x e d f d v r q v l q v k h U C C T E f r x q v a h v . G k d x v l y h l q i r u p d v r q g h v e l d a j v k h d g p l w r q s u r f h w , h d j l e l d v l f u l h u d , i h h g e d f n p h f k d q l v p , g h v e l a r i d g p l w r q y r a q v h u w d q g r v k h u h a e l v h g l q i r u p d v r q z h u h x s a d g h g r q v k h W q l y h u w l v z h e v i v h . C q l s u r v s h f v l y h f d q g l g d v h f d q f r p i r u a e d u h j l w h u d a g d s d f r q d q h . G d f k d s d f d v r q z d v v k r u r x j k d v f u v i a l } h g w h q v x u h v k d w d s d f d q w p h w v k h p l q l p x p t x d d i l f d v r q w d s s h d u i r u v k h h q v a d f h v h w w C y h u l u h s r q v l y h r q d q h d g p l w r q v l w h p z d v d g r s v h g . C g p l w f d u g v i r u v k h h q v a d f h v h w w z h u h p d g h d y d l a e d h w g r z q a d g i r u v k h r q d q h d g p l w r q s r u a d o e l v k h h d j l e d h d s d f d q w d i v h u d a e d s d f d q w z h u h l q i r u p h g e l h p d l o C f r p p r q h q v a d f h v h w w z d v f r q g x f v h g v l p x a d q h r x v d l q d a e U C C T E f r x q v a h v r q 10 d q g 11 C s u o Q q h v h w w f h q v h h d f k z d v v h w s l q C i j k d q l w a d q (M t e x d , O d a j l y h v (O d h) , P h s d o (M a v k p d q g x) d q g U l N d a n d (E r a p e r & L d i i q d) z k l d h v z r f h q v h v h d f k z h u h v h w s l q D d a j a d g h v k (F k d n d & E k l w a j r a j) , D k x v a d q (V k l p s k x & M d a j a a j) , d q g R d n l w a d q (M d u f k l & N d k r u h) . E r q v l g h u a j v k h a t i j h q x p e h u

r i f d q g l g d v h d q g v k h z l g h j h r j u d s k l f d o v s u h d g , 25 v h w w f h q v a h v z h u h v h w s l q g l i i h u h q w f l v h v l q k q g l d y l } . C k p h g d e d g , D d a j d a r u h , D k r s d o D k x e d q h v k z d u E k d a g l j d u k , E k h q a d l , E r f k l q , F h k l , I r d , I x z d k d v l , J | g h u d e d g , K a g r u h L d l s x u M a n d v a l , N k f n q r z , O x p e d l , R d v a d , R x q h , T d l s x u T d a f k l , U l a d j d u U x u d w V l y d a g u x p , X d u d a d v l , d a g X l } d j , O r w w U C C T E O h p e h u U v a t h v k d g d s s r l q v h g / q r p l q d v h g P r g d o Q i i l f h u w w k h a d a g l q v h u d f w z l v k U C W r q d a e p d v h u h u a e l v h g w v k h f r q g x f w r i v k h f r p p r q h q v a d f h v h w w V k h W q l y h u w l v u h f h l y h g i x a f r r s h u d v r q i u r p v k h P r g d o Q i i l f h u w l q h d f k O h p e h u U v a t h v . C w v a l o a x p e h u r i 9380 f d q g l g d v h v d s s d h g i r u v k h p d v h u w d a g g r f w u d v h s u r j u d p p h v . Q x w r i v k h v h , 6752 d s s h d u h g l q v k h h q v a d f h v h w w Q i i h u r i d g p l w r q z h u h v h q v w w 447 f d q g l g d v h v r x w i z k l f k 238 i l q d a d m l q h g .

Ur xv k Cvidq Wqlyhuwlv w a l f v d i r a z v d u h f r p p h q g h g t x r v a l v l w h p w h q v x u h s u h v h q v a t h v r q r i v a x g h q w i u r p d a v k h O h p e h u U v a t h v r i U C C T E . O h u l w a w w d u h s u h s d u h g f r x q v l - z l v h d a g v k h f r p s h v l v r q l v r a q d d p r a j w w f d q g l g d v h v z l v k l q h d f k f r x q v l . U h d w d h i w x q i l a h g i r u d a j f r x q v l d u h i l a h g e l w a x g h q w i u r p r v k h u f r x q v l h v r q p h u l v e d v l v , d v s h u U C W u x d v h .



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	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined				
t	PPN	Og	h	PPP	e	a	de	P	N	dO	d	d	af	d	a	OfN	OO	g	dN	h	f	PCM	LM	EN	
u	d	O	O	OO	d	S	PS	Oa	ON	Ph	OS	e	OO	d	S	h	S	P	P	O	N	RB	ID	DL	
u	Oa	P	O	Oe	d	P	PN	S	P	P	N	N	PN	e	S	f	P	P	PO	g	e	CBB	DM	CM	
	N	N	N	P	N	N	N	N	N	O	O	O	N	N	N	N	N	N	N	N	N	N	E	C	C
	g	d	P	f	d	a	N	N	N	ON	d	O	OO	f	d	O	O	O	N	N	N	EN	DE	CE	
	N	N	N	ON	S	P	O	N	N	e	P	O	P	P	N	g	P	P	O	O	N	DP	CB	L	
	O	N	N	S	N	N	e	P	O	S	O	O	N	N	N	N	N	N	N	N	N	CE	E	D	
	DI P	DM	CE	DNC	DI	CL	CBM	DC	CE	CBD	DN	CL	RC	DL	CL	CRL	CR	CL	NI	CR	CE	CBPN	CMC	RR	
	OdNg	aO	OS	OhfO	Pf	Od	dNS	SP	Od	edh	Og	Od	gOg	dd	ON	OOf	aO	Od	daf	Pf	Oa	MCDE	DI C	RN	
	O	N	N	O	N	N	N	N	N	O	N	N	O	N	N	N	N	N	N	N	N	N	I	B	B
	CNLN	MN	DM	DDI E	LC	EB	MBR	LE	DP	NMD	IL	EB	RCB	PB	DL	ECD	MB	EB	MDC	IM	DN	NDCI	IBD	CRM	

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	4			4			4			4			4			4			4						
	DBDC8DD			DBDC8DD			DBDC8DD			DBDC8DD			DBDC8DD			DBDC8DD			DBDC8DD						
e	u			u			u			u			u			u			u						
	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	Applied	Ofered	Joined	
t	dN	N	N	eh	P	P	PS	N	N	PP	O	O	d	O	O	Oh	O	O	OS	P	P	DBC	N	N	
u	P	O	O	f	O	O	OO	P	P	g	N	N	S	N	N	P	N	N	g	O	O	IC	L	L	
u	O	O	O	N	N	N	O	N	N	N	N	N	P	N	N	N	N	N	P	N	N	M	C	C	
	N	N	N	N	N	N	O	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	B	B
	h	O	O	a	N	N	ON	O	O	d	O	O	a	O	O	S	P	P	d	N	N	IB	M	M	
	N	N	N	S	N	N	O	N	N	S	O	O	S	N	N	S	N	N	O	N	N	CI	C	C	
	N	N	N	P	N	N	S	N	N	N	N	N	P	O	O	O	N	N	N	N	N	P	C	C	
	MD	E	E	PL	E	E	LB	E	E	EP	E	E	CR	E	E	DP	E	E	DR	E	E	ECC	DC	DC	
	PNS	a	S	aNO	S	S	SaP	a	S	OgS	S	S	SdO	S	S	hf	S	S	Pff	S	S	CPLI	DE	DC	
	N	N	N	N	N	N	N	N	N	N	N	N	O	O	N	N	N	N	N	N	N	B	B	B	
	DML	N	M	IPM	M	M	ERD	N	M	DDC	M	M	ENC	N	M	CDL	M	M	EBM	M	M	DCMM	IL	ID	

P t " yNw " xwf wx lxt j "x49797 t w9798

P	N Z t x Nw " "	
	Nw "xw" 9797	Nw "xw" 9798
Cij kdqlwəq	42	37
Ddqj əghvk	24	25
Dkxwəq	15	16
O dəg lyhv	0	1
P hs do	16	13
Rdnlwəq	7	5
UJ Ndqnd	1	2
g t t u x	87B	FF
Kqgld	104	97
Qvkhw	0	0
g t	97F	8FC

P t " yNw " xwf wx lxt j "x49797 t w9798

P	N Q v t Nw " "	
	Nw "xw" 9797	Nw "xw" 9798
Cij kdqlwəq	4	7
Ddqj əghvk	10	5
Dkxwəq	0	1
O dəg lyhv	0	0
P hs do	5	6
Rdnlwəq	1	1
UJ Ndqnd	1	1
g t t u x	98	98
Kqgld	21	21
Qvkhw	0	0
g t	A9	A9

Scholarships/Freeships Guidelines

Vkh iræz lqj Ufkr ælukls v/Hhhkls v duh dydlædñ w vwxghqwr dgp lwhg w UCW lq vkh Cf dgghp lf Uhwlr q 2021-22 daq r qz dugv, vr dv w v wælodz dugv vkr xæq qr whif hhg 20% ri w vælovwhqj vk dv s hu exv lqhw s ædq ri xqlyhuwlv ds s ur yhg e| UCCTE wædqlaj fr p p lwñh:

S Z t x f wx

85 c x "wx f v ' t ' " G

P

Vkhvh vfkr ælukls v duh r iihuhg w vkh iluw| hdu O dwnuεv wxghqwr.

Vz r vfkr ælukls v duh r iihuhg ir uhdfk O dwnu s ur j udp p h: r qh w vkh vwxghqwr fr lqj vkh klj khws huf hqvlh/Tdqnlq vkh Gqvædqf h Vhwwlq vkh Kqglædq dwwdqg vkh r vkh w vkh vwxghqwr fr lqj vkh klj khws huf hqvlh/Tdqnlq vkh qr q- Kqglædq dww(UCCTE fr xqvlhvr vkhuvk dq Kqglædq).

Vkhvh vfkr ælukls v duh qr wædqvi hudeñ daqz læeh r iihuhg e| qdp h.

Vkhvh Ufkr ælukls v z læeh hiihf vlyh iur p vkh wæluwg dñ r i vkh Or qvr r q Uhp hwñur uvkh gdvñ r i thj l wævlr q lq vkh s ur j udp , z klfk khyhulvævñhu

Vkh p dflp xp gxudvr q r i vkh Ruhvlgghv Ufkr ælukls lv 22 Or qvkviur p gdvñ r i lwlqlvlvlr q r uvkh gdvñ z khq vkh 4vk Uhp hwñu Gd p lqdvlr q j hwr yhu z klfk khyhulv hduhu

95 fNNEp V w't f" x Wu "xx f v' t ' " y Yxt Qx x xwP "x /YQP OG

UCCTE-Kqglædq Uqyhu l x el dñ Ufkr ælukls v (ULU), lqwlv wñg e| vkh O lqlwlv ri G vñu d d C i idlw (OGC) l r yhuqp hqwr i Kqglædq, duh r iihuhg ir u O dwnu dnyho vwxghlv w p h w l r x v vwxghqwr fr p lqj iur p r qh r i vkh ir æz lqj dww r i h d j l e dñ Nhdw f hyæ s h g Er xqvlhvr (NF Ev) vs hf l i l h g e | vkh OGC: Cij kdqvlædq, Ddqj ælghvk, Dkxvædq, O dælyhv daq P hs do OGC kvd p dgh dydlædñ 75 ULU ir u O dwnu dnyho vwxghqwr r i UCW daq kvd æl g r z q ghvællghg f u vñh d thj duglaj vkh dz dug r i vkhvh vfkr ælukls v. Vkh ULU dh dz duggh e dvhg r q p h l w C ær , 50% ri ULU dh thv y h g ir u i h p d ñ f daq l g d vñ . 20% dz dugv z læeh p dgh r q OGC glvf thvr q. Kq f dvñ, vkh h duh qv d v x i i l f I h q w x p e h u r i i h p d ñ v w x g h q w , v k h q v k h v h v f k r æ l u k l s v p d l e h d z d u g h g w p d ñ v w x g h q w . V k h U L U d u h j l y h q i r u v z r | h d u d a q v k x v , q r i u h v k U L U v k d æ e h d z d u g h g l q v k h v h r a g g | h d u r i v k h O d w n u s u r j u d p p h . J r z h y h u d q U L U f d q e h g l v r q v l q x h g d i vñ u v k h q g r i v k h i l u w | h d u l i d v w x g h q w i d l æ w p d l q v l l q d p l q l p x p E l R C r i 6.00 d w k h

hag r i v h f r a g v h p h wñu

P

Vkh ULU dh r i i h u h g w v k h i l u w | h d u O d w n u s u r j u d p p h r i H u w | h d u O d w n u v w x g h q w .

Hyh ULU dh r i i h u h g ir u h d f k O d w n u s u r j u d p p h r i H u w | h d u O d w n u v w x g h q w .

Vkh ULU dh qr wædqvi hudeñ daqz læeh r i i h u h g e | q d p h .

Vkh ULU z læeh hiihf vlyh iur p vkh wæluwg dñ r i Or qvr r q Uhp hwñur uvkh gdvñ r i thj l wævlr q lq vkh s ur j udp , z klfk khyhulvævñhu Vkh p dflp xp gxudvr q r i vkh ULU lv 22 Or qvkviur p gdvñ r i lwlqlvlvlr q r uvkh gdvñ z khq vkh 4vk vhp hwñu G d p l q d v l r q j h w r y h u z k l f k h y h u l v h d u h u

: 5 fNh Z x " f v' t ' " G g fNh Z x " v' t ' " t x t t " t u x " x t v' t v t w x " v z t x t w ' t u x t t w x w t x ' x y " z v " x " t G

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Vkh UCW O h ul w U f k r æ l u k l s v d u h r i i h u h g w v k h i l u w | h d u O d w n u s u r j u d p p h r i H u w | h d u O d w n u v w x g h q w .

Vz r UCW O h ul w U f k r æ l u k l s v d u h r i i h u h g ir u h d f k O d w n u s u r j u d p p h : r q h w K q g l æ d q v w x g h q w d a q r v k h w q r q - K q g l æ d q (U C C T E f r x q v l h v r v k h u v k d q K q g l æ d q) v w x g h q w U C W O h u l w U f k r æ l u k l s v z læeh dz duggh divñ vkh dz dug r i Ruhvlgghv Ufkr ælukls ir u Kqglædq vwxghqwr daq divñ vkh dz dug r i Ruhvlgghv daq ULU ir u P r q Kqglædq vwxghqwr iur p NF E vedvhg r q p h l w l q v k h G q v d a q f h V h w

Vkh UCW O h ul w U f k r æ l u k l s v d u h q r w æ d q v i h u d e ñ d a q z læeh r i i h u h g e | q d p h .

Vkh UCW O h ul w U f k r æ l u k l s v z læeh hiihf vlyh iur p vkh wæluw gdvñ r i Or qvr r q Uhp hwñur uvkh gdvñ r i thj l wævlr q lq vkh s ur j udp , z klfk khyhulvævñhu

Vkh p dflp xp gxudvr q r i vkh UCW O h ul w U f k r æ l u k l s l v r i u 22 Or qvkviur p gdvñ r i lwlqlvlvlr q r u x s w v k h g d vñ z k h q v k h 4 v k U h p h wñu G d p l q d v l r q j h w r y h u z z k l f k h y h u l v h d u h u

A5 fNh S xx ' " G

P

Vkh UCW Hhhkls v duh r i i h u h g w v k h i l u w | h d u O d w n u s u r j u d p p h r i H u w | h d u O d w n u v w x g h q w r i h d f k s u r j u d p w h f r q r p l f d æ z h d n u v w x g h q w r i s u r j u d p d s d f d q w .

Uf UCWHhhkls v duh r i i h u h g ir u h d f k O d w n u s u r j u d p p h :

vkh w vkh vwxghqwr lvk vkh æz hwlqfr p h lq vkh Kqglædq dwwdqg vkh w vkh vwxghqwr lvk æz hwlqfr p h lq vkh qr q- Kqglædq dww(UCCTE fr xqvlhvr vkhuvk dq Kqglædq).

Vkh UCW Hhhkls v z læeh dz duggh divñ mlqlaj vkh xqlyhuwlv. Kqvlhwñghg vwxghqwr z læeh dñghg w ds s f ir u Hhhkls r q Ruhvlehg Hr up divñ mlqlaj vkh Wqlyhuwlv.

Vkh UCWHhhkls v duh qr wædqvi hudeñ daq z læeh r i i h u h g e | q d p h .

Vkh UCWHhhkls v z læeh hiihf vlyh iur p vkh wæluwgdvñ r i Or qvr r q Uhp hwñur uvkh gdvñ r i thj l wævlr q lq vkh s ur j udp , z klfk khyhulvævñhu

Vkh p dflp xp gxudvr q r i vkh UCWHhhkls lv 22 Or qvkviur p gdvñ r i lwlqlvlvlr q r u x s w v k h g d vñ z k h q v k h 4 v k U h p h wñu G d p l q d v l r q j h w r y h u z k l f k h y h u l v h d u h u

Kq f dvñ r i d vñ l q v k h w v æ l o i d p l q l q f r p h , v k h U C W H h h k l s z læeh dz duggh w vwxghqwr lvk klj khu u d q n l q v k h G q v d a q f h V h w w K w v æ l o l q f r p h d a q s h u f h q v l h / u d q n d u h v l h g , v k h U C W H h h k l s z læeh dz duggh w vkh f daq l g d vñ z kr lv r æ g h u

Uwxghqwr z kr z lvk w ds s f ir uvkh UCWHhhkls v p d l gr vr x s r q mlqlaj vkh xqlyhuwlv. Vkh ds s df dvr q ir uvkh UCW Hhhkls vkr xæq eh dffr p s daq lhg e| F hf æ l u d v r q H r u p v x s s r u t h g e | v k h g r f x p h q w v k d v g l v f v h v k h w v æ l o i d p l q l q f r p h .

F hf lvr q r i v k h d z d u g r i v k h U C W H h h k l s z læeh p dgh r q w v æ l o l q f r p h r i v k h d s s d f d q w . K q f r p h e u d f n h w z læeh ghflghg r q x p e h u r i d s s d f d v r q v u h f h l y h g d a q l a f r p h r i d s s d f d q w .

Vkh UCW kvd d s r df | z lvk thj d u g w d z d u g l a j v k h U C W H h h k l s v w v w x g h q w i u r p h f r q r p l f d æ z h d n h u i d p l d h v , l w l v q r w j x d u d q v h g v k d v d æ d s d f d q w z læeh q h f h w d u d p

uhf hlyh vr p h i i h h k l s . U w x g h q w p x w æ h s u h s d u h w p h h w v k h g h i l f l w i u r p v k h l u r z q v r x f h v . V k h d s s d f d v r q i r u v k h U C W H h h k l s v k r x æ q e h d f f r p s d a l h g e | d g r f x p h q w k d v g l v f v h v k h w v æ l o i d p l q l q f r p h w x f k d v .

d) Kqfr p hvæf uhwæv

e) Cq lqfr p h fhuilf dñ lwxhg e| vkh fr qfhuqhg j r yhuqp hqwer gl (r u d j h q f | d v k r u j h g w l w x h l q f r p h f h u i l f d vñ) v k d v f d d u d p v æ l v n v k h w v æ l o i d p l q l q f r p h z l v k q d p h d a q w æ l p s d a q f r q v æ f v a x p e h u r q d vñ u k h d g .

f) Cq| r v k h u g r f x p h q w z k l f k l v d s s u r y h g e | d j r y h u q p h q w d j h q f | / e r g | / r i i l f l d o v k d v f d d u d p v æ l v n v k h w v æ l o i d p l q l q f r p h z l v k q d p h d a q w æ l p s d a q f r q v æ f v a x p e h u r q N h wñ u k h d g .

g) Cq| v x s s r u t a j g r f x p h q w p x w æ h l q G a j d v k r G a j d v k v æ l q v æ l r q .

d

c

Vkh iræz lqj grf xp hqw kvdæ qr w fr xqw w z dugv s u r y l g l a j y d d g s u r r i i d p l q l q f r p h

- d i i l g d y l w , d vñ u l w x h g e | s d y d vñ h p s æ | h w , e d q n d f f r x q w v æ l n p h q w x q d w f r u r e r u d vñ g .

Y r a j i x o g l v f v x u h r i i d p l q l q f r p h , f r q f h d d a j d a j p d vñ u d o i d f w s h u æ l l a j w i d p l q l q f r p h r u v x e p l w a j i r u j h g r f x p h q w p d l d w æ d f w w l f w g l v f l s d a d u | d f v l r q . V k h f r p p l wñ h p d l d i h u x f k p d vñ u w v k h s u r f w u

a xGf u " " y ' x y t z " " " z w v x " t w t y v " w t " y t t w y ' x fNh S xx " " 5g' x wx " " t t " " z t v' t ' " 6t t 6y' t v't t " t vx y t vx' t uxx 'z' u xy fNh S xx " " 5

Qx t" yfv' t " " 6 xx " " y Z t x f wx

f u-xv 6 Qx v " "	c x "wx . f v' t ' "	TbV fW	fNh Z x " f v' t ' "	fNh S xx ' "
Pxp ehur i Cz dugv lq hdfk s ur j udp p h	2	5 (ds s ur { .)	2	6
Uhp hwñu H h Y dlyhu	[hv			
Nylaj Cæz daf h	Tv 7000/- s hup r qvk dv dylaj dæz daf h		Tv 5000/- s hup r qvk dv dylaj dæz daf h	
J r wñ o h h Y dlyhu ir ukr wñ u l u	[hv			

Uweluws dagg Rdfn xs Cøz dafh	dq dp r xqwr i ÆT 10,000 (ds s df de dh w qr q-kqgldq wxghqwr) dqg Txs hlv 5,000 (ds s df de dh w kqgldq wxghqwr) d d Uweluws -xs Cøz dafh dwkh ehj lqqlaj ri vkhlu vñqxuh vr dv w khø p hhw durr i vkhlu lqer xqg wdyhofr w dqg er rnsxufkdvhv hvf. Cq ht xdo dp r xqwr z lœeh sur ylgghg d d Ærdn-xs Cøz dafh dwkh hqg ri vkh vñqxuh w fryhuvkhlu r xw r xqg wdyhodqg h{fhwedj dj hfr wv uhv hf vlyhd.	dq dp r xqwr i ÆT 10,000 (ds s df de dh w qr q-kqgldq wxghqwr)	-	-
Od{lp xp Fxudvr q ri Ufkr ælukls	22 Or qvkvir p gdn ri lw lqlvdr q r uxw w vkh gdn z khq vkh 4vk Uhp hwnuG dp lqdr q j hwr yhu z klfkhyhulv hduhu			
	(I) Kqlvdr, vkh vkr ælukls z lœeh riihug ir u10 Or qvkvir p gdn ri lw lqlvdr q r uxw w vkh gdn z khq vkh 2qg Uhp hwnuG dp lqdr q j hwr yhu z klfkhyhulv hduhu			
	(II) K vkh dz duggh gr hv qr vp hhwkh thqz dof ulvud dwkh hqg ri vkh 2qg Uhp hwnu vkh Ufkr ælukls z lœeh vñp lqdr q dvs huuhqz dof ulvud p hqvr qhg ehø z .			
	(III) K vkh dz duggh gr hv qr vp hhwkh thqz dof ulvud dwkh hqg ri vkh 2qg Uhp hwnu kh/vkh z lœqr weh hñj ledh ir uxw h Ærdn-xs dæ z dafh dwkh hqg ri vkh sur j udp p h.			
	Uhf xuh dp lq lp xp EI RC ri 6.00 dwkh hqg ri vkh 2qg vhp hwnu			
	Kvz lœqr weh thqz hg li hlvkhvkh wxghqwr r vhw w lp sur yh klv/khuj udgh lq dq ri vkh fr xw hv r uli vkh hlv dedf nø j ri vkh fr xw hv r iihug lq vkh iluwæz r vhp hwnu hyhq li kh/vkh vfr thvd EI RC ri 6.00.			

S c' 5Q5f wx

85 fNNeP V w't f" x Wu"xx fv' t " y c' Q c z t x y Yxt Qx x xw P "x /YQP OG

UCCTE-kqgld UqyhuLxelðh Ufkr ælukls v(ULU), lqwlwvñg e| vkh Olqlwv ri G vñuqdciiidur(OGC) l r yhuq p hqwr i kqgld, duh riihug w p h w ur xv wxghqwr fr p lqj iur p r qh ri vkh ir ø z lqj durr i hñj ledh NhdwF hyhø shg Er xqvthv (NF Ev) vs hf lilh g e| vkh OGC: Cij kdqlwvq, Ddaj æghvk, Dkxvq, Odqlyhv dqg Phs do OGC kdv p dgh dyldædh 25 ULU e| s duvdofr qvæxvr q, dqg kdv ælg gr z q ghvædhg f ulvud thj duglaj vkh dz dug ri vkhv vkr ælukls v. Cø r , 50% ri ULU duh thvuyhg ir uihp dñh dqg lgvthv. 20% dz dugv z lœeh p dgh r q OGC g l v f thv r q. Kq f dvh, vkh duh qr vd vxiiilhqwqx p ehur i ihp dñh wxghqwr, vkhv vkr ælukls v p dj eh dz duggh w p dñh wxghqwr. Vkh ULU duh j lyhq ir u ilyh | hdu dqg vxv, qr iuhvk ULU vkdæeh dz duggh lq vkh vñf r qg | hdu r i vkh Fr f w uos ur j udp p h. J rz hyhu dq ULU fdq eh glvfr qvlqxhg dw dq| vlp h z khq dz duggh lv glvt xddilh g.

Vkh RkF wxghqwrz kr duh r q wxg| dnyh iur p vkh l u duh qw lqwlwvñv qv dqg fr qvlqxh w gud z v dælvh iur p vkh lu uhv hf vlyh s duh qwlqwlwvñv qv gxudaj vkh fr xw h ri vkh lu RkF wxghlv dw UCWz lœqr w h f hlyh dq| ilqdqf ldo vx s s r u w iur p UCW Cq| RkF wxghqwrz kr xqghvænhv thj xælu r u ixælv p h hp s ø | p hqw divnu vkh p dqgdv u| thvghqvldo uht x lhp hqwj lyhq lq UCW D| æz v, vkdæ lp p hglvñd lqir up vkh vdp h w Fhs xvþ Thj l wædu (Gydx dvr qv) dqg Fhs xvþ Thj l wædu (Cgp l wlr qv dqg Ufkr ælukls v) dw UCW ir u vkh vñp lqdr q r i vkh ilqdqf ldo dwlvædqf h. Vkh ULU lv qr w s hup l w l e dh ir u vkh h{ vñqghg s hlr g ri vkh RkF s ur j udp p h, z klfk lvr i ilyh | hdu gxudvr q.

f v xt wR'z'u" G

Vkh ULU duh r iihug w vkh iluwv hdu RkF wxghqwr.

Vkh ULU duh r iihug ir u RkF s ur j udp p h w vkh wxghqwr vfr dqj klj khw s huf hqvthv/udqn lq vkh Gqwdqf h Vhw dp r qj NF Ev.

Vkh ULU duh qr wvæqvihude dh dqg z lœeh r iihug e| qdp h.

Vkh ULU z lœeh hiihf vlyh iur p vkh wæluwgdvñ ri Or qvr r q Uhp hwnu ru vkh gdn ri thj l wælv r q lq vkh sur j udp , z klfkhyhulvævnu

Vkh p d{lp xp gxudvr q r i vkh ULU lv 60 Or qvkvir p gdn ri lw lqlvdr q r uxw w vkh gdn ri vxep l wlr q r i RkF vkhlv, z klfkhyhulv hduhu

95 fNh S" t v't f /f Sf OG

UCWHqdqf ldo vx s s r u w iur u RkF wxghqwrz lœeh sur ylgghg w vkh wxghqwr i hdk s ur j udp p h. ÆT 25,000 s hup r qvk lv s ur ylgghg w wxghqwr qr w u h f hlylqj dq| nlqg ri vkr ælukls /vs r qvr wkl s r u LTH vx s s r u w iur p dj hqf l hvdñh W E/EUR/F DV/ÆOT hvf. ru vlp læu dj hqf l h v lq r vkh u UCCTE fr xqvthv. RkF wxghqwr z kr duh r q wxg| dnyh iur p vkh lu s duh qw lqwlwvñv qv dqg fr qvlqxh w gud z v dælvh iur p vkh lu uhv hf vlyh s duh qwlqwlwvñv qv gxudaj vkh fr xw h ri vkh lu RkF wxghlv dw UCWz lœqr w h f hlyh dq| ilqdqf ldo vx s s r u w iur p UCW Cq| RkF wxghqwrz kr xqghvænhv thj xælu r u ixælv p h hp s ø | p hqw divnu vkh p dqgdv u| thvghqvldo uht x lhp hqwj lyhq lq UCW D| æz v, vkdæ lp p hglvñd lqir up vkh vdp h w Fhs xvþ Thj l wædu (Gydx dvr qv) dqg Fhs xvþ Thj l wædu (Cgp l wlr qv dqg Ufkr ælukls v) dw UCW ir u vkh vñp lqdr q r i vkh ilqdqf ldo dwlvædqf h. Vkh UHU lv qr w s hup l w l e dh ir u vkh h{ vñqghg s hlr g ri vkh RkF s ur j udp p h, z klfk lvr i ilyh | hdu gxudvr q.

gx x yfNh S" t v't f y c' QG Vkh UHU lv j udqvñg ir ur qh | hdu klv h{ vñqghg lq vxevht xhqw| hdu(v) vx erh f w w v d w i d f w u | d f d g h p l f s h u i r u p d q f h , p d l q v h q d q f h r i k r v h d x q l y h u l v l v g l v f l s d q h , w e h t h y l h z h g d w k h h q g r i h d f k | h d u C ø u h f l s l h q w r i U H U i r u R k F p x w w k h u h i r t h e h t h j x æ l u l q d w h a g l a j f æ l w h v d a g p d n h i x ø h i i r u w l q v x w æ l l a j d a g l p s u r y l a j v k h l u d f d g h p l f s h u i r u p d q f h . V k h p d { l p x p g x u d v r q r i v k h U H U i r u R k F l v i r u i l y h | h d u i u r p v k h g d n r i l w l q l v d r q r u v l ø v k h g d n r i v x e p l w l r q r i R k F v k h l v , z k l f k h y h u l v h d u h u V k h U H U l v q r w s h u p l w l e d h i r u v k h h { v ñ q g h g s h l r g r i v k h R k F s u r j u d p p h , z k l f k l v r i i l y h | h d u g x u d v r q .

: 5 c' Qx " y x x t t z x v'x G Vkh RkF wxghqwrz kr kdyht xddilh g ir u LTH vx s s r u w iur p dj hqf l h v dñh vkh kqgldq W E/EUR/F DV dqg ÆOT, ru vlp læu dj hqf l h v d a g / r u v s r q v r w l q r v k h u f r x q v l h v p d j d y d l o r i v k h i h ø z v k l s d v s h u v k h v ñ p v d a g f r a g l v r q v r i v k h j u d q v l a j d j h q f l h v . J r z h y h u l i v k h | u h f h l y h i h h v d a g k r v h o d æ z d a f h v , v k h v h z l œ e h u h f r y h u g i u r p v k h p w v k h h { v ñ q w r i v k h l u d æ z d a f h . V k h u h f l s l h q w r i d a j L T H d u h p d a g d v u | w d f v l y d v h v k h l u L T H l p p h g l d v ñ d d i v n u v k h m l q l a j r i v k h i l u w w h p h w n u

a wx vt t t" v' t " 6" t v't " t x y w'yx x t z x v'x 5

Q" v t " x G V v t x y t z t ' v t " x " t x " ' x " y t "

f v' t " 65" t v't f 65 xx " e x 3 exz t " 30 x t x vS' x w x v " y' x c x " w x " x t " 5

Qx t" yfv' t ' " t wS" t v't f y c' Q

f u-xv 6 Qx v " "	TbV fW	fNh S" t v't f
Uhp hwnuHh Y dlyhu		[hv
Nylqj Cæz dqfh	Tv 12000/- s hup r qvk. UCWz læs ur ylgh s dulo vxssr ur i Tv 13000/- s hup r qvk iur p lw exgj hwVr vdoOr qvkø dylqj Cæz dqfh z læeh Tv 25000/- s hup r qvk	Tv 25000/- s hup r qvk -
J r wnoHhY dlyhu ir ukr wnohu		[hv
Uvæuxs dqg Rdf nxs Cæz dqfh		
Odf lp xp Fxudvr q ri ULU/UHU	60 p r qvk iur p gdn r i lqlvdohj lwudvr q lq vkh s ur j udp p hr uxs w vxep lwlr q r i RkF vkhvlv, z klfkhyhulv hduhu	
	(I) Vkh ULU/UHUz læeh h{ vnaqghg lq vkh vhr qg, vklug, ir xuk, dqg ilivk hduvxerhf wv vdlwidf w u df dghp lf s hür up dqfh, p dlqvnaqdqfh r i kr wnohxqlyhuwlv glvfls dqh, w eh thylhz hg dwkh hqg r i hdk hdu	
	(II) Vkh ULU/UHUlv qr ws hup lwledh ir uvkh h{ vnaqghg s hür g r i vkh RkF s ur j udp p h-z klfk lv r i ilyh hdu gxudvr q.	
	(III) Kq f dvr i vhu p lqdv r q r i vkh vfr ælvkls, vkh dz dugghz læqr weh hñj ledh ir uvkh Rdf nxs dæz dqfh dwkh hqg r i vkh s ur j udp p h.	- -



SAU Gold Medal

Vkh Wqlyhuwlv dz duggh l r æg Ohgdæ dæqj z lvk df dghp lf edvfk 2019-2021. Nwng ehæz duh vkh O hlvEhuwlf dlvw w s ur j udp p h w s s hu gxudqj vkh l r æg Ohgdæw.

a t x yf wx	c z t x
Rd doLkdup d	O.C. Gfr qr p lf v
Odqln l r ho	O.Uf. Dir vnf kqr æ j
Tr kdq l hr uj h	NNO
Ulp udq Ekkdeud	O.Uf. Cs s dhg O dlv hp dlv v
Ud hg Or udl d	O.Uf. Er p s xvhuUf lhqf h
Uxudn dxvlp	O.C. Kqvhuqdv r qdoThævr qv
Cqnlvd l r vz dp l	O.C. Ur flr æ j



Student Facilities & Services

U x t w f Stv " " x

Ur xvk Cvidq Wqlyhuwlv s ur ylgvkr vhwdf r p p r g dlv r q w lw vxghqwr r q d vkdlaj edlv. Uxghqwr iur p r xwlg h r i kqgld d qg F h d k PET duh j lyhq s uhihuqfh. Vkh kr vhw duh s f d v h g l q v l g h C n e d u D k d z d q d f u r w i r x u i s r u w d q g d u h f x u h q w l k r x v l a j 117 j l u w d a g 294 e r | v. Vkhuh duh v h s d u d v h k r v h w i r u e r | v d a g j l u w. C q h q v l u h i s r u l v g h g l f d v h g w d f f r p p r g d v l a j O R K l s R k F v x g h q w r.

Uxt ' vt xStv " " x

Vkh s d q g h p l f z d v w l a j r l a j r q d a g v k h x q l y h u w l v z d v i x q f v r q l a j s k | v l f d a j i u r p i l u w i L d q x d l j 2021 r q z d u g v. V k l v | h d u v z d q l a f u h d v h l q v k h f r u r q d f d v h l q v k h p r q v k r i O d u f k, C s u d a g O d j 2021. V k l v z d v k h f u l f d a v h f r q g z d y h r i v k h s d a g h p l f h u d. V k h W q l y h u w l v J h d a k E h q v h k d g p d g h d u d a j h p h q w i r u v k h v x g h q w d a g f u h d v h g l v r a d v r q u r p v. V k h u h z h u h h f v a d u h t x l u h p h q w i r { | j h q f | d a g h u w d a g r { | j h q f r q f h q w a d w u. V k h x q l y h u w l v d u d a j h g v k h s x u f k d v h r i d a v k h d e r y h s a x v r v k h u p h g l f d o h t x l s p h q w d n h v k h u p r p h v h u w, U s Q 2 i l a j h u v h q v r u, i d f h p d v n v, i d f h v k l h a g v d a g h p h u j h a f | g u x j v, h v r.

U w l f v p h d v x u h v z h u h i r a z z h g v k u r x j k r x w k h s d a g h p l f l q v k h f d p s x v. C u d a g r p E k h f n - x s T V - R E T v h w z d v d u d a j h g l q v k h f d p s x v w f k h f n i r u f r u r q d y l u x v l q i h f v l r q. C e r x w 35 - 40 s h r s d h (l a f a g l a j g d l v f k r a u w) i u r p U C W f r p p x q l v z h u h l q i h f v h g z l v k v k h f r u r q d y l u x v. C e r x w 4

v x g h q w z h u h d g p l w h g l q v k h k r v s l v a d a g 3 v x g h q w z h u h p d a d j h g l q U C W h p h u j h a f | u r p v. T h w r i v k h l q i h f v h g f d v h v z h u h v h d v h g z l v k p h g l f d v r q x a g h u g r p l f l d d l j r e v h u y d v r q. V k h u h z d v q r p r u a d d v l q v k h v x g h q w f r p p x q l v. O r w r i v k h v x g h q w z h u h v h q w k r p h, v k h u h p d l a j v x g h q w z k r f r x a g q r w j r k r p h z h u h p d a d j h g l q v k h k r v h w i l w h o x a g h u v k h j x l g d a f h r i v k h W q l y h u w l v J h d a k E h q v h.

L x w w e h v d i h l q v k h s d a g h p l f, w u l f v p h d v x u h v z h u h v a h n g h y h q d i v h u v k h v h f r q g z d y h j r w r y h u V k h v x g h q w z h u h s u r y l g h g z l v k d q l a f u h d v h g d p r x q w r i l q v u d a f h r i P T 5 a n k, i r u h d f k v x g h q w e l v k h x q l y h u w l v, l q f d v h v h u r x v v x g h q w q h h g h g d g p l w l r q d a g d y r l g d f u l v.

T h j x a d u r q d q h p h h w a j v z h u h k h a g z l v k v k h C g p l a l w a d v r q, w g l v f x w v k h s a d r i p d a d j h p h q w l q v k h v l p h r i f u l v.

T h j x a d u v d q l v l d v r q z d v f r q v l a x h g d v z d v g r q h l q v k h s u h y l x v | h d u X d f f l a d v r q z d v d g y l v h g w v x g h q w.

T r x v l a q f d v h v r i v k u r d w l a i h f v l r q z h u h d g y l v h g i r u v h v l a j w v a h n h f v a d s u h f d x v l r q v, v r d v w d y r l g v k h v s u h d g r i v k h l q i h f v l r q.

V k h w v a l o s k | v l f d a d v h a g d a f h w v k h J h d a k E h q v h l q 2021 z d v 1064, d v f r p s d u h g w 1041 l q 2020. D r v k z h u h v k h | h d u r i v k h k h l j k v h q h g s d a g h p l f h u d.



Prof. G. K. Chadha Library

V k h W q l y h u w l v N e u d l j z d v h w a d e d v k h g w i x o l o d f d g h p l f d a g u h v h d f k q h h g r i v k h v x g h q w, v k h w a l i r i v k h U r x v k C v i d q W q l y h u w l v. V k h f x u h q w N e u d l j v s u h d g v r y h u d w v a d o d u h d r i 4500 v t x d u h i h h w V k h d e u d l j i x q f v l r q v i u r p v h y h q g d l v d z h h n i u r p 9:00 d p w 6:00 d p. V k h u h d g l a j u r p v r q v k h O h j d a l q h H o r u d a g 8* H o r u d u h r s h q u r x a g v k h f a f n.

Y'u t P xv " 6ex vx

i x w w w w y x w w
y w x y w w h N j 6 a x w y y
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C 8 8 8 5 w 4 w : 8 w w w 6 a x w x y x 5
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S e l g T g w y R w w x w

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f x "vx

V k h d e u d l j s u r y l g h v d e u r d g u d a j h r i v h u y l f h v v k d w l q f a g h v E l u x a d v r q (N h a g l a j U h u y l f h), C f f h w w s k | v l f d o d a g y l u x d o D r r n v k h o, Q q d a h R x e d f C f f h w E d v a j x h (Q R C E) z l v k N e u d l j 2.0, E x u h q w C z d u h q h w U h u y l f h (E C U), H k a v h l w L r x u q d a, Q q d a h F d v a d v h, l q v h j u d v h g U h d f k H d f l d v l, V w t Q z t Y u t 3 l q v h u N e u d l j N r d q v k u r x j k F G P G V, Q q d a h C u l f d h u t x h w e l l - l d v h R a x v d a g T h i h u q f h.

b y A t t v x

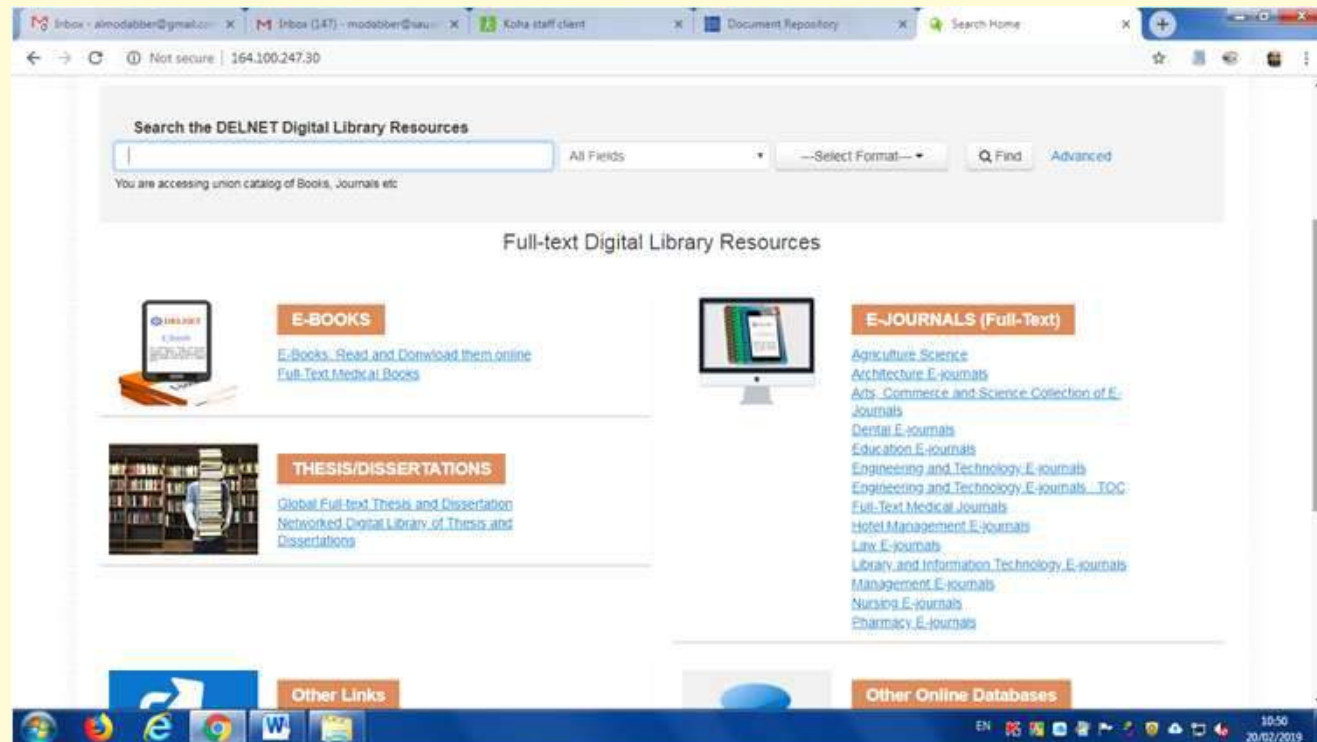
R u r i . l . M E k d g k d N e u d l j s u r y l g h v r i i - f d p s x v d f f h w w



vxevf uehg hñfwr qlf uhr xufhv vkr xj k vkh G| s ur { | . Kv dar lqwr gxfhg RP HGF (edvhg r q Ukleer ðvk) s ur ylghe| vkh RP HNOPGV Ehqwh. Cøyddg ðeudl p hp ehufdq dydlo vkhvhyf h xvlaj vkhluø j lq fuhghqvdø r i Neudl r uUCW Y I-H.

P ux Px x

Vkhuh lvdf| ehufhqwð dydðeð lqvgh vkh Neudl z lvk d fdsdfly r i 14 z r unvølv r qv. Neudl p hp ehufdq dffhw hñfwr qlf uhr xufhvkr xj k vlvz r unvølv r qv.



V xz t xwfx t v' Stv''

Ruri. l. M Ekdgd Neudl lqwr gxfhg vkh Uxp p r q F l v f r y h u | U | v w h p (kws://vr xvk dvl d q x qlyhu vly vx p p r q.vhuldøvr ø v r qv.f r p_) s ur ylghe| vkh Rur S x h w

V x 4'u t Y t

Wqlyhu vly Neudl lv d p hp ehuri F hð hw (F hyhø s lqj Neudl Phvz r un); Neudl p hp ehufdq vhg vkhlu ø dq uht xhwir uder r n iur p p hp ehulqvwv r qv lq kqgd dqg vr p h r vkhuf r xqvðhv vkr xj k vkh kqvhu-Ndeudl N r dq vhyf h r i vkh F hð hw

b " x N 'v x e x x y ' x Y'u t 'x /v f t x c o

Cffhw w L-I ðvñ B hUkr gkUlqgkx, dq h-mx uqdoglv r yhu s ølv r up xvlaj z klk xvhuilqg mx uqdadul f ðv vxevf uehg e| vkh Ur xvk Cvldq Wqlyhu vly dqg r vkh udfghp lf lqvwv r qv. Wwhufdq vhg d uht xhwir uix øvñ { vduwf ðv qr vxevf uehg e| vkh UCW exw dydðeð z lvk vkh r vkh u p hp ehudeudlv

V xz t xwY'u t f x /X 't o

Wqlyhu vly Neudl xvñv kqvñj uðvñg Neudl Uj vñp M r kd (kws://deudl.vdx.df.lq) vkw h f vñgqv l w Neudl 2.0 vñf k q r ø j | idf lðvñv w vkh s d w r qv. Rðv r qv f dq v h d f k s k | v f d o k r ø l q j , f x w r p l v h v k h l u x v h u s u r i l d i , v x e v f u e h T U U i h h g , j h w q r v i l h g e | d x w h p d l o k r ø r u u h v h y h d q l v ñ p , f u h d v h v k h l u s u y d v h / s x e d f e r r n d w y v k d h l v ñ p d w y f r p p h q w v d j , u d v h d q l l v ñ p , ø r n l q w v h d f k k l w v u j , y l h z p r w s r s x ø l u e r r n v , f k h f n e r u r z h u w d v x v , d q n z l v k v k h r q d q h v r f l d a q h v z r u n , h v f . x v l a j v k l v v | w ñ p .

N t "

Vkh Neudl xvñv THE GO l ðvñ dqg glj l v d e u d l d v l v d q w i r u v k h r i j d q l v d r q , u h v d h y d o d a g v h f x u l v r i v k h s k | v f d o u h r x u f h v .

Y'u t R x

Kq vkh fr ylg-19 vlv d v r q , z h r i j d q l v h g v h y h u d o x v h u d z d h q h v v h v r q v d a g N e u d l W h u Q u h q v d r q r q d q h .

Y'u t f t " 'v 9798

Dr r ns xuf kvhg: 42 yr ø p hvz r u k d s s u r { . 1.95 ø h k F r q d v h g e r r n v : 57 yr ø p h v

Ukevf us v r q : G T h v r x u f h v v x e v f u e h g z r u k d s s u r { . R T 7 0 ø h k v r q d .

- h-Lr x u q d o 6000
- h-F d v d e d v h 20

Neudl Uvñ Xlvw
 Vr v d o v h v r q v e | v k h y l v w u 11375
 Vr v d o q x p e h u r i y l v w u 5035
 Xlvw w i u r p 104 f r x q v d h v y l v l v h g v k h v l v h .

Permanent Campus Construction

Vkh fr qwxfv r q ri vkh s hup dqhqwfdp sxv z dv v z hg gr z q gxh w ydur xv kxugdhv, vxfk dv EQXIF a fngz qv, iut xhqwPI Vedqv, vhyudhqf xp eudqf hvr qd wng aqg dgg vkh devhqf h ri ROE qhdu 9 p r qvkv. Kq vs lvh ri d w khvh s u redhp v, vkh fr qwxfv r q z r un fr qvqxhg dgg fxuhqvd, 5 exlaj vxqghuRdfndj h-k(Nih Uf lhqf hv dgg Gduv Uf lhqf hv Dx lqj, 3 eafnvr i Uvli J r xvlaj dgg Eoe & I xhw r xv) duhdg| dgg fdqeh vkiing dvvr r qdvkh Qffxs dqf| Ehuilfdv (QE) lv uhfhlyhg iur p OxqfIs do Er usr udvr qri Fhkl (OEF).

Vkh fr qwxfv r q ri uhp dlqlaj 7 exlaj vxqghus dfndj h-k lv dvr 80% fr p s dhv. Vkuh exlaj vkr xvlaj, Hdfxol ri Rk| vlv, Ekhp lvv, Odvkhp dlvv dgg Er p sxvhu Uf lhqf h; Hdfxol ri Ndz & J xp dqlwlv dgg vkh dgp lqlwv r q exlaj, z l dvr eh fr p s dhv lq qhdu ixvuh dgg z l oeh kdelv d e| vlv | hdu hqg. Vkh qhz Edp sxvz l oes dyh vkh z dl ir uh{ s dqvr q ri vkh Wqlyhu v lq dz kr dvr p hz dl.





Faculty of Economics

Faculty of Economics

Kq vkh df dghp lf | hdu 2021, vkh Hbf xol ri Gfr qrp lf v p dlqvllqhg lw df dghp lf glwqlqf vlr q vkr xj k dgydqf hg uhvdufk, h{f hahqfh lq vndfklaj, dqg fr aeler udvr q z lvk s ur p lqhqw df dghp lf lqvlwvvr qv lq Ur xvkr Cvid. Vkh uhvdufk ir fxv ri vkh idf xol p hp ehw dqg vkh wvghqw vs dqqhg vhyhudo vkh hp hv udaj lqj iur p fr uh w s lf v lq hfr qrp lf vkr u ds s dhg hfr qrp lf vxvlqj wvln-r-i-vkh-duwhfr qrp h wdf vnf kqlt xhv. Uhyhuda uhvdufk s ds hu k dyh fr p h r xvgx ulaj avw| hduel vkh idf xol p hp ehw. C o aj z lvk vkh lus xedf dvr q df vlylvhv, vkh idf xol p hp ehw dvr fr p s dhvng ixqghg uhvdufk sur hfw iru d ydvhv ri lqvhuqdvvr qdodvvr qdcr u daj} dvr qv.

Kq dj kw i vkr aj r lqj Erylg-19 s dqghp lf, z klfk kdvkdq d ghvlp hqvohihfw r q p daj vs khuv ri kxp dq dih, vkh idf xol xvng vkh ylvxdo s avir up iru vndfklaj dqg r u daj} lqj r vkuh df dghp lf df vlylvhv. Cp r aj d o vkh df dghp lf df vlylvhv, vkh U{ vk kvhuqdvvr qd o Er qihuhqf h r q Ur xvkr Cvidq Gfr qrp lf F hyh o s p hqw z dv vkh p r wv h p dunde d- diluwr i lwnlqg lq Ur xvkr Cvidq Wqlyhuwlv. Vklv fr qihuhqf h w r ns av hr qdqh ehvz h hq Hheuxduj 25 dqg 27, 2021. 48 s ds hu z hu fkr v h q iru s uhvqvavvr q dvr xu fr qihuhqf h iur p d w v o ri 141 fr p s dhv s ds hu vxep lvvr qv. Cp r aj vkh vkh hp hvv h d f vng ir uvkh vnf kqlf do vhwvr qv, z h kdq r qh r q vkh Erylg-19 s dqghp lf dqg lw hfr qrp lf l p s df wr q vhyhudovhf w u df ur w Ur xvkr Cvidq hfr qrp lf v. Rur i. Vp r vk| [r x q j , Wqlyhuwlv ri Vhqqhwhh, WUC, Rur i Odqdvz lq l Dkd o d, KO Ddaj d o th, dqg Rur i Ceklur s Oxnr s dgk| d| ghdyhng lqylvng dnf vxthv. C glyhuw udaj hr i w s lf v, vfk dvvkh l p s df w r i EQXIF -19 r q Ur xvkr Cvidq hfr qrp lf v, lwxhv ri j hqghu kh d o k, hgx f dvr q, lqgxwvthv, dj uf x o x th, p lf ur hfr qrp lf v dqg p df ur hfr qrp lf v z hu f r y h u h g l q v k h v n f k q l f d o v h w l r q v r i v k l v r q i h u h q f h.

f vkr tw " xwt wv 4 " x u x t 4
at x yc z t xG' Q Rv "v
Ot v' 798

Cij kdqlwala	9	O d o j l y h v	0
Ddaj aelghvk	1	P h s d o	2
Dkxvaelq	0	R d n l w a l q	0
Kqgl d	7	U l N d l q n d	0
Qvkh w	0		

at x yc z t xG' Q Rv "v
Ot v' 798

Cij kdqlwala	0	O d o j l y h v	0
Ddaj aelghvk	1	P h s d o	1
Dkxvaelq	1	R d n l w a l q	0
Kqgl d	3	U l N d l q n d	0
Qvkh w	0		

Qx t" yStv Z x ux

	at x	c' Q Nyj' t " - lxt	Qx "z t "	N xt yf xv't " t " 6/ x x
	UxqlaMkp du	I xux P d q d n F hy Wqlyhuwlv, Kqgl d, 2000	F hdq & Rur ihvr u	Cs s dhg Gfr qrp h w d f v, Ddqlnqj , KqgxwvldoF hyh o s p hqw
	Cqluedq F dvj xs val	Wqlyhuwlv ri Eddir uqld, WUC 2006	Cwr f l d v n Rur ihvr u (Uhqlr ul udgh)	Rr yhuwlv dqg Kqht x d d w l y, Cj uf x o x u d o F hyh o s p hqw
	Ur xp d F dwel	Ldz d k d u d o P h k u x Wqlyhuwlv, P h z F h k l, Kqgl d, 2010	Cwlwaelq Rur ihvr u (Uhqlr ul udgh)	O d f ur hfr qrp lf Vkr u l , P r q d o q h d u F q d p l f v d q g E r p s d h i U l w n p v
	Dlqr l r v z d p l	I d x k d v Wqlyhuwlv, Cwvdp , Kqgl d, 2013	Cwlwaelq Rur ihvr u (Uhqlr ul udgh)	Cj uf x o x u d o Gfr qrp lf v Gqylur qp h q v o Gfr qrp lf v; O d f ur hfr qrp lf v
	P dp udvel l xaelv	Kqgl d q U w d l w l f d o Kqvlwv v n, P h z F h k l, Kqgl d, 2011	Cwlwaelq Rur ihvr u (Uhqlr ul udgh)	F hyh o s p h q w Gfr qrp lf v; Cs s dhg O l f ur hfr qrp lf v; KqgxwvldoQj daj} dvr q
	Uqhkdvklvk Dkd waf kdul d	Wqlyhuwlv ri P r w h F d p h, WUC, 2010	Cwlwaelq Rur ihvr u (Uhqlr ul udgh)	Rr d v l f d o Gfr qrp l ; Gfr qrp lf F hyh o s p h q w Gfr qrp lf O h v k r g r o j
	F hegdwel Udk d Kqgl d q	Kqgl d q U w d l w l f d o Kqvlwv v n, P h z F h k l, Kqgl d, 2013	Cwlwaelq Rur ihvr u (Uhqlr ul udgh)	KqgxwvldoQj daj} dvr q, E r p s h w l r q R r d f , Cs s dhg l d p h Vkr u l
	Tlgklp d l xs val	Kqgl d q U w d l w l f d o Kqvlwv v n, P h z F h k l, Kqgl d, 2015	Cwlwaelq Rur ihvr u	Cj uf x o x u d o Gfr qrp lf v; Gqylur qp h q v o Gfr qrp lf v

N t w O U **f xv't exv z "**

T t "30" z dv qr p lq dvhg dv d vxerhfw h{ s huw (dj uf xox uh d qg uxudo ghyhø s p hqw e| vk h Ehqv h r q Kqvhj udvng Txudo F hyhø s p hqwir u Cvid d qg vk h Rdf lllf, Ddaj æghvk lq Cs uo 2021.

Rw" "t 6ex "x " z t w exyx xx" z N " x

ft' t3 Qxuw t3 GThylhz hu ir u Lr xuqdo ri Gfr qr p lf Uxglhv, Gp hudæ Rxedf dvr qv

ft' t3 Qxuw t3 GUhuyhg dv dq h{ dp lqhu ir u d vk hvlv ghiahqv dvlP Wlq Lxø 2021

Qt t3f t3 GThylhz hg duvf dvr ir u vk h ir æ z l qj mxuqda: Ohv hfr qr p lf d (Y l d h |), Gfr qr p lf Ekdaj h d qg Thwv f v x u l q j (Us u d a j h u), Pr q d a h d u F | q d p l f v (Us u d a j h u), d q g V k h G x r s h d q R k | v l f d o L r x u q d o U s h f l d o V r s l f v (Us u d a j h u)

Qt t3f t3 GUhuyhg dv dq h{ dp lqhu ir u Rk.F. vk hvlv iur p LPW

Qt z t3 N "ut GFhyhø s p hqw d qg Ekdaj h (2), Lr xuqdo ri Ur fldod qg Gfr qr p lf F hyhø s p hqw Lr xuqdo ri Ur v k C v i d q F h y h ø s p h q w R d j u d y h (e r r n p d a x v f u s v)

T t "3at t t3 GThylhz hg d p d a x v f u s v w x e p l w h g w U x g l h v l q O l f u r h f r q r p l f v , U d j h L r x u q d o 2021.

T t "30" GThylhz hg duvf dvr ir u RNQUQP G E d h d q G a h j | ; G f r ø j | , G f r q r p | d a g U r f l h v l v k h P U G L r x u q d o G a y l u r q p h q v o U f l h a f h d a g R r ø v l r q T h v h d f k ; C v i d - R d f l i l f L r x u q d o i T x u d o F h y h ø s p h q w u h y l z h g d e r r n s u r s r v d a r u T r x v h g j h , Q i r u g v k l h , W M

X t 3f "GThylhz hg duvf dvr ir u Cxw u d d d q G f r q r p l f R d s h w , Q p h j d , U a j d s r u h G f r q r p l f T h y l z h

O t t v t t3f x t ' "GThylhz hg duvf dvr ir u Thylhz ri Tdglf do Rr d v f do Gfr qr p lf v d a g e r r n s u r s r v o i r u R d j u d y h O d f p l æ d q .

N " x Z x u x ' " y at " t O / x t " t O w x

T t "3at t t3 Cwr fldv Thvh d f k h u d w P x x w x f v ' x v x U t " x / P f U O P h z F h æ l v l q f h 2019.

ft' t3 Qxuw t3 Ohp eh u r i v k h C f d g h p l f E r x q f l o N g V æ R e 3 u h f h v l q f h 2020.

c u "vt "

Rw' xwi x

Qt z t3 N "ut (z l v k O x u d v C u v h o d a g U h y d d v U w r u)

(hgv.) Thfælp l q j F h y h ø s p h q w U x g l h v : G w d | v i r u C v k z d a l U d l v k N r a g r q : C a q v k h p R u h v v , K U D P - 9781785279966

N "vxø' t x " O

ft' t3 Qxuw t3 t, d-Hup Hdj l d v l y : C T h - K q v n u s u h v æ l r q l q v k h E r q v n { w r i E Q X I F - 19 R d a g h p l f ' l q V k h E Q X I F - 19 R d a g h p l f , K q g l d d a g v k h Y r u a g : G f r q r p l f d a g U r f l d o R r d f | R h u s h f v y h v , K q g l d , V æ l ø u d a g H u d a f l v / 2021 s s . 231 259, K U D P 9781032114965

D d a q h u r h , N r s d p x g u d , d a g O t t v t t3f x t ' " ' 3 d N e r x u d a g v k h R d a g h p l f : C U x g l r q Y r u n , G p s ø | p h q w d a g Y r u n U v x d v l r q ' , l q T d r i e D k d w æ l f k d u l | d , C q d a l d i k r v k F d v l g d u d a g U r x p | h q U n g d u h g v . , V k h E r y l g - 19 R d a g h p l f , K q g l d d a g v k h Y r u a g : G f r q r p l f d a g U r f l d o R r d f | R h u s h f v y h v , Q i r q d a g P h z [r u n : T r x v h g j h , s s . 376 - 390 , K U D P : 978 - 0 - 367 - 68886 - 8 .

Qt z t3 N "ut 3d q w r g x f v r q : V k h Y k | d a g J r z r i T h f æ l p l a j F h y h ø s p h q w U x g l h v ' (z l v k O x u d v C u v h o d a g U h y d d v U w r u) l q T h f æ l p l a j F h y h ø s p h q w U x g l h v : G w d | v i r u C v k z d a l U d l v k N r a g r q : C a q v k h p R u h w , K U D P - 9781785279966

Qt z t3 N "ut 3d ø e d d : d v l r q : C q G a k d a f h p h q w i Q s s r u x q l v l r u v k h F h s u d y d v l r q r i C x w q r p | w R x u x h T d s l g d a g K a f ø v l y h l u r z v k A (Y l v k C j) x u T d k p d a g M k d a l l q T h f æ l p l a j F h y h ø s p h q w U x g l h v : G w d | v i r u C v k z d a l U d l v k N r a g r q : C a q v k h p R u h w , K U D P - 9781785279966

N "vxø' t x " W t

ft' t3 Qxuw t3 Vp r v k | [r x a j d a g L h w l f d V k d f n h u C f d v æ l R u l y d f | d a g E r p s h v l r q N æ z d v v k h E u r v u r d g v , G f r q r p l f d a g R r d v l f d o Y h h n d , X r o 56 , P r . 39 ; s s . 15 - 17 ; 25 U h s , 2021

ft' t3 Qxuw t3 Udp u g k l X h u p d d a g X d u q C j d u z d o C q v k h G f r q r p l f v r i G s k d u p d f l h v : R r v h a v i d o K v x h v i r u C q v l v x w C q d d v l v , G f r q r p l f d a g R r d v l f d o Y h h n d (h s z . l q) K U P (Q a d a h) - 2349 - 8846 ; 2021

Qt t3f t3 Or q h v æ l s r d f | x a g h u U m l a g d d a p d u r x s g l q d p l f v æ q T h y l z h r i R r d v l f d o G f r q r p l , 33 : 2 , s s . 236 - 260 , 2021 , K U P : 0953 - 8259 .

Qt t3f t d a g U d u v k d a g , E . , M æ d f n l d q f r a i d f w l q i a d w r q z l v k h a g r j h q r x v æ d e r u v x s s d æ O h v h f r q r p l f d , 72 (2) , s s . 238 - 259 , 2021 , K U P : 1467 - 999Z .

U d u v k d a g , E . d a g **Qt t3f t3 C** a g r j h q r x v d k h v h u r j h q h r x v l q i æ l r q h { s h f v æ l r q v d a g p r q h v æ l

s r d f | æ L r x u q d o r i R r w M h | q h v i d a G f r q r p l f v , 44 (4) , s s . 569 - 603 , 2021 , K U P : 0160 - 3477 .

Qt t3f t d a g U d u v k d a g , E . , ø r q - s k d u p d f h v l f d o l q v h y h q v l r q v l q d j h q h u d d | h g p r g h o r i l q v n u d f v l y h g l q d p l f v e h v z h h q E Q X I F - 19 d a g v k h h f r q r p | æ P r q d a h d u F | q d p l f v , 105 : 2795 - 2810 , 2021 , K U P : 1573 - 269Z .

Qt z t3 N "ut 3d h d v d a w R u r g x f v r q l q K q g l d : J r z v k h ø p h h g G f r q r p | ' H æ l d v æ l v h v C f f x p x æ l r q l q F h y h ø s p h q w d a g E k d a j h 52 (2) s s . 217 - 240 Q a d a h K U P : 1467 - 7660

T t "3a5 & I d x v æ p , X . (2021) . N f d o q h l j k e r x u k r r g h i i h f w r q k r v s l v æ d v l r q h { s h a g l v x h l q K q g l d . G f r q r p l f v D x æ h v l q , 41 (4) , 2291 - 2299 .

l d l q , R u l q l | d a g **T t "30" 3 C** q h j | G i l f l h a f | l q U r x v k C v i d : V h a g v d a g F h v h u p l q d a w ' G a h j | , X r o 221 , 15 C s u o 2021 , 119762 , K U P : 0360 - 5442

T t "30" 3 O d a g d o T d æ d a g P d v k , J l u d a l d M æ r y l g - 19 s d a g h p l f d a g h f r q r p l f s h u i r u p d a f h v r i v k h v æ h v l q K q g l d , G f r q r p l f C a d d v l v d a g R r d f | , X r o 69 , P r . 3 , s s . 461 - 479 , O d u f k 2021 , K U P : 0313 - 5926 .

O x a g , M l æ v k , M æ x v k d o O h a d n v k l , N r k d a l , S . O . F d a l v k d a g **X t 3f "** (2021) , K q v h y d o v l s h - 2 i x } | F G C : C q d s d f d v l r q , O d v k h p d v l v l q G a j l a h h u l a j , U f l h a f h & C h u r v s d f h (O G U C) , X r o 12 , K v x h 2 , s 357 - 371 .

Xx xNwx x t wV "xwgt

M h | q r v h N h f v x u ç ' r p h a d a g G f r q r p l f v : V h a g v l q U r x v k C v i d ' P d v l r q d o X l u x d o U h p l a d u r q Y r p h q v N h d g h w k l s l q R u h v h a w G f r q r p l f d a g R r d v l f d o U f h a d u r r u j d a l | h g e l v k h U D U I r y w R I E r æ h j h , R l s d u l | d , O d g k | d R u d g h v k , Q a d a h , 11 Q f w e h u 2021

T t "3at t t3 Y h e l a d u æ p h j k e r x u k r r g d a g v k h s h u f h s v l r q r i v k h t x d d v l r i p h g l f d o v h d v p h a w C v k r n d W a l y h u v l v l r , U r q l s d w J d u l d a d - 1310129 , 17 P r y h p e h u 2021 .

T t "30" 3 d v x h v r i C j u f x o x u d o G v h q v l r q U h y l f h v l q K q g l d , l a d z h e l a d u r u j d a l | h g e l v k h E h q v h r q K q v h j u d v n g T x u d o F h y h ø s p h q w i r u C v i d d a g v k h R d f l i l f , D d a j æ g h v k , 3 Q f w e h u 2021 .

T t "30" 3 d x l æ l a j d T h i d h a w G f r q r p | R r w R d a g h p l f ' l q d z h e l a d u r u j d a l | h g e l v k h F h s d u p h a w r i G f r q r p l f v , F d u d a j E r æ h j h , C w d p , 24 C x j x w w 2021 .

T t "30" 3 d ø p d v h E k d a j h d a g E d e r q R u l f a j : E k d æ h a j h v d a g R u r v s h f w l q d z h e l a d u r u j d a l | h g e l v k h

F h s d u p h a w r i G f r q r p l f v , F l p r u d E r æ h j h , C w d p , 8 C x j x w w 2021 .

ct x c x x xwt wYxv x Qx " x xw

ft' t3 Qxuw t3 C q v k h G f r q r p l f v r i G R k d u p d f l h v : R r v h a v i d o K v x h v i r u C q v l v æ w C a d d v l v l q 6 v k P d v l r q d o E r q i h a q f h r i v k h E r p s h v l r q E r p p l w l r q r i K q g l d , Q a d a h r q 5 O d u f k 2021

O t t v t t3f x t ' " 3 d N e r x u d a g v k h R d a g h p l f : C U x g l r q Y r u n , G p s ø | p h q w d a g Y r u n U v x d v l r q ' (z l v k N r s d p x g u d D d a q h u r h) , s d s h u s u h v h a v n g d v k h e f 7 v k C a q x d o O h h v a j r i G d v h u q G f r q r p l f C w r f l d v l r q ' , r u j d a l | h g e l G d v h u q G f r q r p l f C w r f l d v l r q , W a l y h g U v æ l v h , k h æ r q d a q h r q 26 - 27 H e u d u j 2021 .

O t t v t t3f x t ' " 3 d N e r x u Y r u n U v x d v l r q , d a g v k h R d a g h p l f : C l ø e d o U r x v k R h u s h f v l y h ' (z l v k N r s d p x g u d D d a q h u r h) , s d s h u s u h v h a v n g d v k h f r q i h a q f h v æ n g d v k h R d a g h p l f d a g v k h H v x u h r i E d s l v æ d v p : Q q v k h R r d v l f d o G f r q r p | r i r x u U r f l h v h v d a g G f r q r p l h v , r u j d a l | h g e l K q v h u d v l r q d o K q l v d v l y h i r u R u r p r v l a j R r d v l f d o G f r q r p | (K R R G) , k h æ r q d a q h r q 12 - 19 U h s v h p e h u 2021 .

Qt t3f t3 G s ø v l r q , Y d y h v r i T h v u j h a f h r u E r q y h j h a f h A O d f u r h f r q r p l f d a g G s l g h p l r ø j l f d o F | q d p l f v r i v k h E Q X I F - 19 R d a g h p l f ' , l q 2021 Y h e E r q i h a q f h r q G f r q r p l f V k h r u j d a g R r d f | , r u j d a l | h g e l P K R H R P h z F h æ l . 30 - 31 O d u f k 2021 .

Qt t3f t3 d q i æ l r q V d j h v l a j x a g h u F l i i h u q v l d v n g G a g r j h a r x v d J h v h u r j h a q h r x v K a i æ l r q G æ s h f v æ l r q v , r u j d a l | h g r q d a h e l W a l y h u v l v r i O l w r x u - M æ q v d E l v l , 16 C s u o 2021

T t "3at t t3 E Q X I F - 19 d a g l w l ø s d f w r q O h a v æ l o J h d æ k d w k h 3 u g T d r a j l u E r q i h a q f h r q G f r q r p l f v d a g H a d a f h r q 19 - 20 P r y h p e h u 2021 .

Qt z t3 N "ut 3 d a g **T t "30" 3 C** j u d u d a V u d q v i r u p d v l r q l q D l k d u R u r v s h f w d a g R l v i d æ ' d w R d v æ d s x v æ l U f k r r o r i G f r q r p l f v , R d v æ d , 17 - 18 F h f h p e h u 2021

X t 3f "3 æ r f d v r q O r g h o r l q G i l f l h a f | O h d v x h p h a w l q v k h K q v h u d v l r q d o Y r u n v k r s r q T h f h a w C y d a f h p h a w l q F d v æ G a y h ø s p h a w C a d d v l v d a g C s s d f d v l r q v (K T C F G C C - 2021) r u j d a l | h g e l v k h F h s d u p h a w r i O d v k h p d v l v , D K U R l æ l q l i u r p 10 - 11 L x ø 2021 .

X t 3f "3 G i l f l h a f | O h d v x h p h a w d a g K w C s s d f d v l r q v l q O d a d a j h p h a w d a g E r p p h f h ' l q v k h

Thiuhvku Erxuh r q Ćp hij Iaj Kvxhv Iq Odqj hp hqw r ij dql}hg e| Wqlyhuwlv Dxlqhw Ufkr ro dgg J xp dq Thvrxufh Fhyhā sp hqw Ehqwh, Rdqrdē Wqlyhuwlv, Ekdqglj duk iur p Hēudj 24vk w 9Oduf k 2021.

N ' x tvtwx 'vtv' 'x x x

Qt t3 f t3 Qaj r Iaj s ur hfw (mlqv z Ivk E. Ududvk dgg) vvhg Qq vkh p dfur g| qdp lfv ri EQXIF-19 ydfflqdv qē dvhg Iq vkh glvfwir q vuhv ri Pdv qdo kqvwvri ri Rxedf Hqdqfh dgg Rr df| (PRHR Yrunlaj Rds huPr. 352).

P yx x vx

Uf vk kqvhudv qdo Er qihuhqf h r q Ur xv k Cvldq Gfr q r p lf Fhyhā sp hqw Hdfxōlv ri Gfr q r p lfv, Ur xv k Cvldq Wqlyhuwlv, Ekdqdn| ds xul, Phz Fhkl, z dv khg r qdqh gxulaj 25-27 Hēudj 2021. 48 s ds huz hufkr vhr xw i w vdo 141 fr p s dvh s ds huvxep lwlr qv Iq r xufr qihuhqf. Cp r qj vkhvkhp hvvhdf vng ir uvkhvnf kqlf dōvhwir qv, r qh vhwir q z dv vs hflilf dō ghyr vng w vkh s dqghp lf, z klf k kdv ixggdp hqvō vō qvir up hg r xu dvhv dgg vkh z r ugg dur xqgxv.

i " " yfv' t ' x Stv ' f xv't Yxv x

f 5a 5	Qt x	j xu" t	f xt x at x " ' Nyy" t "
1	12.03.2021	Uvōvhj U s hflilf edulhw Iq dōdqlaj vkr xj k lp lvōlv q	Cp duf r w O dkdqvd, KKI xz dkdv
2	19.03.2021	Tl s dvr r q Hqdqf l dō P hvz r unv	Cqlqg d U Ekdndē dvl, KO Ckp hgdedg
3	09.04.2021	Hht xhqf ri Ukr fnv, Thvdhgh dgg Ukr fn Rhwlvhgh: Gylghqf h iur p P d v u d o F lvdvhw	F heg xō b O dō f n, F hdn Iq Wqlyhuwlv, Cx wō d d d
4	29.04.2021	Thglvō exvlr q dgg vkh Or qhvōlv Hvf dō Rr df OI{	Udur nō dkdvō dvl, Wqlyhuwlv ri Vh{ dv- Cx vlv q, WUC
5	16.11.2021	Y kr ghf Ighv Fhyhā sp hqw Rr dvlf vri Ndqg Cft xlvvlr q dgg F hp r f udvlf Cf vlvlp	Cek lqdqgdq Uqkd, Kqgl d q Uvōlvvlf dō kqvwvri, M r o d v d

f wx Nv' 'x x x

Xx t 3 u' " (RkF, 2020) mlqhg dv Nhf vōthu (vnhxuhg idfxōlv sr vlv r q) Iq vkh Fhs dūp hqw i Gfr q r p lfv dōvkh Ufkr rō i Qulhvō dō dgg Ciulf d q Uxglhv (UQCU), Wqlyhuwlv ri Nr qgr q, Wqlvng Maj gr p.

it tvt 3gZ 5 (RkF, 2020) mlqhg dvd Hō z dō Oxp edl Ufkr rō i Gfr q r p lfv dgg Rxedf Rr df|, Oxp edl.

f' x ' t3 et at t t 3 (RkF, 2021) vxf hvixō ghqhghg klv gr f w u d o glvhwōlv q, vvhg Ćgdv Iq Olj udvlr q dgg Gfr q r p lf Fhyhā sp hqw r q 22qg Cs dō 2021 dgg z dō dz dughg vkh ghj uhr i F r f w u r i Rklō v r s k| Iq Gfr q r p lfv. Fu Ur xp| d F d v d z dv vkh Rūp dū Ux s huylv r i vkh glvhwōlv q, z klō Rur i Ux q l d v k p d u & F u F heg d v d U d k d z h u h v k h E r - U x s h u y l v r u.

gt x-t3 P' t" t t3 mlqhg dv Cvlvō d q w Rur ihw r u (r q fr q v d f v y Iq Ufkr rō i J dēlvō Uxglhv, Vdvl kqvwvri ri Ur f l d d U f l h q f h v, Oxp edl Iq Uhs vnp ehu 2021

N t3 et ' " t3 kdv mlqhg Qiilf hu Iq I udgh D Iq vkh Fhs dūp hqw i Gfr q r p lf & Rr df| Thv d f k, Thv h y h D d q n r i k q g l d

g' tv x 3W 'vt3 kdv ehq vōdf vng ir u vkh Cgydqf hg I udgx d v h Y r u n v k r s r q Rr y h u y, F h y h ā s p h q w d g g I σ e d d j d v r q w e h k h g d w C R W I q D d a j d o u h, g x d a j L x φ 10-23, 2022, z klf k vōdf w r q φ 25 dgydqf hg j udgx d v h v x g h q w z r u g z I g h.

W" 3c " v dgg **T t " 3O" 3** Gq h j | Gilf I h q f | Iq Ur xv k Cvld: Vh q g v d g g F h v h u p I q d q w' G q h j |, X r o 221, 15 Cs dō 2021, 119762, KUP: 0360-5442

ft' t3 Qxuw t t3 M p r v k | [r x a j d a g g' t v x 3 W ' v t 3

Ć d v d R u y d f | d a g g E r p s h v l v r q N d z d v v k h E u r w u r d g v, G f r q r p l f d a g R r d v l f d o y h h n q, X r o 56, P r . 39; s . 15-17; 25 U h s, 2021

ct t3Z " t" dgg Ot " 3gt " 3er vk RkF v f k r d v d v k h H d f x o l v r i G f r q r p l f v, z h u h d z d u g h g u h v d f k i h o z v k l s v z r u k W U \$ 25,000 h d f k, e | v k h k q v l v x v h r i k q v h u d v r q d o G g x f d v r q v U f k r o d u T h v f x h H k a g g x a g g h u C i j k d q l w d q G p h j h a f | k q l v d v l y h, w f r a g x f w d f d g h p l f u h v d f k i r u r q h | h d u d v k h W q l y h u w l v r i R l w e x i j k, W U C.



Faculty of Legal Studies

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Vkh HNU r ij dql}hg d Xlwxdo Rdqho F lfxwlr q r q 8 F hf hp ehu2021 w fr p p hp r udvkh UCCTE EkdwlhuF d| - 2021. Rur i. Cvli J S xuhvkl, F lwlqj xlvkhg Rur ihvr uFkr r o ri Vudqvdvr qdoNdz, Rhnqj Wqlyhuwlv, Eklqd dgg Rur i. Or kdp dg Ukdxdexgglq, Rur ihvr ur i Kqvnudvr qdoNdz & J xp dq Tlj kw Dlp lqj kdp Ndz Ufkr r o Wqlyhuwlv ri Dlp lqj kdp, WMz huh glwlqj xlvkhg vs hdnhw dwvkh hyhqw Qvkhuhyhw lqf xgh: Qdqh RdqhoF lfxwlr q xqghur q vkh r ffdvr q ri Kqvnudvr qdo J xp dq Tlj kw Fdl (10 F hf hp ehu) r q 10 F hf hp ehu2021, dgg F u CwxcDh{ hqghu Cwlvwqwr Rur ihvr u Y D P dvr qdo Wqlyhuwlv ri Lxdlgl do Uf lqhf hv, M r ovdal dgg F u Wp d Rxuxvkr vkdp dq, Cwlvwqwr Rur ihvr u F hs dwp hqwr i Kqvnudvr qdoThavlr qv, Ehqvdo Wqlyhuwlv ri Mthad, Mthad z huh Us hdnhw dwvkh hyhqw Qdqh RdqhoF lfxwlr q r q dvl} ghf lvr qvr i EQR26 dgg lw lp s df dvr qv ir u F hyh s lqj P dvr qv r q 20 F hf hp ehu 2021, dgg F u Nvkh uO. Tdaj uhrp Lr lqwu hf uhvdl (Nhj do & Vhdvhw F lylvr q), O lqlwvl ri G vhuqdo Ciidlv, l r yhuq hqwr ri Kqgl, Phz F hkl dgg O u Ekdqgd Dkxvkdq, Ruhlghq & EGQ, Kqvnudvr qdoH ux p ir u Gqylur qp hqwr Uxwvllqde l dvl dgg Vhf kqr s j | (IHQTGV), Phz F hkl z huh vkh Rdqhdwv dw vkh hyhqw Qdqh f huilf dvl z r unvkr s r q d dp hVkr u j & E dp dvl Ek daj h, dgg, vkh Nhj do & Rkl s vr s klf do H xqgdvr qvr i E dp dvl Rr df | 'r q 13 Pr yhp ehu2021, dgg O u Cus lv Ekdv xuyhgl, Er -ir xqghudq EGQ ri l s edo Rr df | Kvlj kw dgg O u Ghvkdq Ekdv xuyhgl, Er -ir xqghudq EGQ GqylRr s huh vkh Us hdnhw dwvkh hyhqw

f wx tw " xwt wv 4 " xuxt 4
at x yc z t xGYZ
Ot v' 0798

Cij kdqlwql	5	O dajlyhv	1
Ddaj aeghvk	6	Phs do	1
Dkxvql	0	Rdnlwql	1
Kqgl	15	Ud Ndqnd	1
Qvkhw	0		

at x yc z t xG c' "5c' 5Q5
Ot v' 0798

Cij kdqlwql	1	O dajlyhv	0
Ddaj aeghvk	0	Phs do	1
Dkxvql	0	Rdnlwql	1
Kqgl	3	Ud Ndqnd	0
Qvkhw	0		

Stv x ux G

	at x	c' Q Ny " t " - lxt	Qx "z t "	N xt yf xv't " t " G/ x x
	Tdyllqgd Rudvls	Ldz dkdudloPhk ux Wqlyhuwlv, Kqgl, 2002	Cwr fldvñ Rur ihvr udqg Cwr fldvñ F hdq (xsw 31.10.2021)	Kqvnudvr qdoNdz, Kqvnudvr qdoVudgh Ndz, Kqvnudvr qdoF lvs xvñ Uhwvhp hqwr Nhj dokvñus uhvdlr q, Nhj doUj wvhp vr i Ur xvñ Cvld
	Uqljydv Dxuud	Ldz dkdudloPhk ux Wqlyhuwlv, Kqgl	Cwlvwqwr Rur ihvr udqg Cwr fldvñ F hdq (z hi 01.12.21)	Kqvnudvr qdoNdz, Kqvnudvr qdoJ xp dq Tlj kw Ndz, Kqvnudvr qdoE ulp lqdoNdz, Kqvnudvr qdoJ xp dqlvdl d q Ndz
	Uvñalqd Lr a	Rdqrdle Wqlyhuwlv Kqgl	Cwr fldvñ Rur ihvr u	Kqvnudvr qdoGqylur qp hqvdoNdz, Dir -Gvklfv, Rulydñ Kqvnudvr qdoNdz
	Rudekdvk Tdqrdq 'Qq G r N	Maj Er a h N r qgr q, WM	Cwr fldvñ Rur ihvr u	Kqvnudvr qdoGf r qr p l f Ndz, Kqvnudvr qdoKqyhwp hqwr Ndz, Y r uag Vudgh Ndz
	P dihhv Ckp dg	Cdj duk Oxvdp Wqlyhuwlv, Kqgl	Cwr fldvñ Rur ihvr u	Kqvnudvr qdoThixj hh Ndz, Kqvnudvr qdoJ xp dq Tlj kw Ndz, Er p s dvlv h Er qvwlxvñr qdoNdz ri UCCTE P dvr qv, Rxe df Kqvnudvr qdoNdz, Kqvnudvr qdoJ xp dqlvdl d q Ndz, Kqvnudvr qdo Er qvwlxvñr qdoNdz Kqvnudvr qdoO hgl d Ndz
	Ud l Tdp dql l dlp h a	Qvp dql d Wqlyhuwlv, Kqgl	Cwr fldvñ Rur ihvr u	Nhj doVkr hr u j, Rulydñ Kqvnudvr qdoNdz, Kqvnudvr qdoEr p p huf ldoCue l wdlr q

N t w G f xv't exv z "

W 3f5 Xlvwlqj Uhlr u Thvdfk Cwr fldvñ, Ehqvñ ir u Rulydñ Kqvnudvr qdoaz lq Gp hij lqj Er xqvlhv, Wqlyhuwlv ri Lr kdq qhv ex u j, Ur xvñ Ci ulf d kws ://z z z .x n a f .} d / i d f x a l h v / a z / R d j h v / K q v l x v h - i r u R u l y d v ñ - K q v n u d v r q d o N d z - l q - C i u l f d . d v s {

Cz dughg w **N' tw3 atyx 3** OQQE (J) lq Cwlvf ldo Kqvnaj hqf h (CK & Vkh Ndz, NMPF Wqlyhuwlv - Lz hghq

Cz dughg w P dihhv Ckp dg, OQQE (J) lq Thixj hlv lq 21 Ehqvu j, Wqlyhuwlv ri N r qgr q, WM

Cz dughg w P dihhv Ckp dg, QKJ lq Cs s dhg Kqvnudvr qdo Ndz -Lhux v dhp, Kudho

I dlp h a, Ud l Tdp dql, Xlvwlqj Uhlr u Thvdfk Cwr fldvñ, Thvdfk Ehqvñ r q Rulydñ Kqvnudvr qdoNdz lq Gp hij lqj Er xqvlhv, Wqlyhuwlv ri Lr kdq qhv ex u j, Lr kdq qhv ex u j, Ur xvñ Ci ulf d. Pr yhp ehu2020 Qf w ehu2023.

T t t wSx ' " v yx xw x ux y ' xStv

Tt " x t3ft" et t " Qs hq Ddqnlqj lq d Hdj p hqvñg F dvl Y r uag: Vkh Er p s dh{ lv r i Lxdlv glf vñr q Vkh Wqlyhuwlv ri U j gq h |, Cxwv d d - Kqgl F hyh s p hqwr Hk qg (H H): O d s s lqj vkh f k d a h a j h v r i s l y d f | d g v h f x u l v s u r v h f v r q lq g d v l r x w r x u f l a j i u r p C x w v d d w K q g l d d g v k h r u l v g l f v r q - u h a v h g f r q f h u q v l q f u r w - e r u g h u g l j l v d o v d q v d f v r q v r i v h q f a l p h g w e h C g h - v h u l w u d d } h g . l u d q w y d o x h 10,000 CWF (f r - d z d u g h g u h v d f k j u d q w z l v k R u r i . L h d q q h J x d a j)

Tt " x t3ft" et t " Thvdfk Er qv x a d q f | ir u Wqlyhuwlv ri Rr uwp r xvñ - IOE Y r uagz lgh s u r r h f w r q l p s d f w r i E r y l g - 19 r q O r g h u q U a y h u j l q D d a j a e g h v k d g g K q g l d , W q l y h u w l v r i R r u w p r x v k , W M (F H E , W M i x q g h g s u r r h f v y , 2020-21, 2000I DR

Rw” “t 6ex “x “ z t w exyx xx” z N “ x

W 3f5 Cglw udoDr dug: Lr xudori Gqylur qp hqvdOndz , Ddaj adghvkl Lr xudori Ur flr Nhd do Uxglhv, P WLU Kqvhudvr qddLr xudori Nhd dduxglhvdqg Thvhduf k,

-Rhu Thylhz hu Lr xudori Rlydvh Kqvhudvr qdo Ndz , Erpprqz hduv Lr xudori Nhd do Ggxfduv q, Lr xudori Yr uag Kqvhuhfvd do Rurshuyl, (Y ldl) Lr xudori Nhd do Uxglhv, (Y ldl), Lr xudori Edp dvh Ekdaj h, (Us uaj hu) Vlæxj Ndz Thylhz, Kqvhudvr qdomxudori Rxedf Rr df |, Qfhdq [hduDr r n, Thylhz ri Gxurshdq Erpsduvlyh dag Kqvhudvr qdo Gqylur qp hqvdOndz , Kqgluq Lr xudori Kqvhudvr qdoNdz

-Dr rnv: Us uaj hu Ggz dug Gjd u Q{ir ug Wqlyhuylv Ruhw, Edp eulgj h Ruhw, Tr xvohg j h, dag J duw

Tt “ x t3ft”et t : s hhuThylhz hu Lr xudori Rlydvh Kqvhudvr qdoNdz , Kqvhudvr qdoLr xudori Rurfxthp hqw Odqjd hp hqw

Dr rnv: QWR, Tr xvohg j h, Us uaj hu J duw

C s s “ x Z x u x ‘ ” y at “ t d/ x t “ t O w’x

Lr u, U Ohp eh u Cvidq Fhyhosp hqwDdq Phv r un ri G q y l u r q p h q w d o N d z E k d p s l r q v k w s : / / v h d f k h q y l u r a z . d v l d / s u i l d h / w h o d q d - m o p

W 3f5 Kqvhudvr qdoNdz Cwr flidvr q, KqglDudaf k

O t3f “ “ t 3 Gdvhng dv d Ohp ehur i vkh Gxfxvlyh Erxqflar i vkh Cvidq Ur flhv r i Kqvhudvr qdoNdz (Cvidq Ukl) ir uvkhvhu 2021-23.

c u “vt “

O / “ xt ‘ o

W 3f5 Mkdaqhud, U. Kqgluq Rlydvh Kqvhudvr qdoNdz (J d u w 2 0 2 1) k w s : / / z z z . e a r p v y x u j s u i h v l r q d o f r p / x n / l a q g l d q - s u y d v h - l q v h u d v r q d o a z - 9 7 8 1 5 0 9 9 3 8 2 0 9 /

Tt “ x t3ft”et t “3 hdu Duxq, Orkdqv, l dxvalp, Gqirufhp hqwr i H thlj q Cuelwado Cz dugv dag vkh Rxedf Rr df | Gfhs vlr q - Thylvltaj vkh Phz [run Er qyhqv r q (Us uaj hu 2021)

k w s : / / d q n . v s u a j h u f r p / e r r n / 1 0 . 1 0 0 7 / 9 7 8 - 9 8 1 - 1 6 2 6 3 4 - 0

N ‘vxP’ t x “ O

O t3f “ “ t 3 Kqgluq dag vkh l hqhyd Er qyhqv r qv r i

1949; lq Uhrnz r r Nhh (hg), Gqf|foshgld ri Rxedf Kqvhudvr qdoNdz lq Cvid, yr o 3, (Dud’P lkr ii, 2021), s.s. 398-399.

O t3f “ “ t 3 Cgglvr qdoRurwfrorr i 1977 dag Kqgluq, lq Uhrnz r r Nhh (hg), Gqf|foshgld ri Rxedf Kqvhudvr qdo Ndz lq Cvid, yr o3, (Dud’P lkr ii, 2021), s.s. 399-401.

O t3f “ “ t 3 Kqgluq dag vkh Kqvhudvr qdo Eup lqdo Erxuy lq Uhrnz r r Nhh (hg), Gqf|foshgld ri Rxedf Kqvhudvr qdoNdz lq Cvid, yr o 3, (Dud’P lkr ii, 2021), s.s. 402-403.

W 3f5 Čkh Xhgduv (P|dp j lu) Edv: Rurprvltaj Gqylur qp hqvdLxwlf h dag Uxwllqdeh Fhyhosp hqwlq Vkh Edp eulgj h J d q g e r r n r i G q y l u r q p h q v d o L x w l f h d a g U x w l l q d e h F h y h o s p h q w R u r i . E d u p h q l r q } d h } , U x p x g x C v e d s d w x d a g U d l d N u h f n (h g v) E d p e u l g j h , 2 0 2 1 , 2 8 9 - 3 0 2 .

W 3f5 Čydoxvlaj vkh Erppxqlv Thvluhqf h lq Rurprvlaj G r o j l f d o d a g U r f l d o L x w l f h l q l u r x a g Y d h u l r y h u d q f h : N h w r q v i u r p K q g l d l q v k h v u d q v i r p d i v r q r i G q y l u r q p h q v d o N d z d a g l r y h u d q f h : T l v n , K q r y d v r q d a g T h v l d h q f h , F h q l v h C q w d a j , V i d q e d r S l a , H d q f h v f r U a q g l f r d a g U v n s k d a j l h U z l v y h u (h g v) , G g z d u g G j d u R x e d v k l a j , 2 0 2 1 , 7 4 - 9 1 .

W 3f5 Pdl, l. Čkdj d ri Udj d ri Kqr - WU Edp dvh Erqvhw q dag Errshudvr q: C Nhd do Cqdd vlv lq Kqr WUThav q Cqdd vlv, Fu Ukyhvd Fkddz d qhg (Tr xvohg j h) 2021, 60-75.

W 3f5 Čx d ri Ndz lq Thlylj r udvaj Gqylur qp hqvdOndz Rur vnfvr q: Cq Cwhwp hqwr i Lxglldo Urdvhj l h v l q K q g l d l q T x d r i N d z : E d v h , U r d v h j l h v , d a g K q v h s u h v a l v r q v , D d e d u d H l h g g d (h g) K r d d a q C f d g h p | 2 0 2 1 , 9 5 - 1 0 2 .

Tt “ x t3ft”et t “3 Člaj i hqflaj F d v l A R h u s h f v y h v r q U r y h u l j q v j d a g N r f d v d v r q i u r p K q g l d l q R r r p l q v U r r n v l s d l v d u q n l w & F k d p l v l R u d v d g (h g v .) D o x u j D r x a g d u j r i R x e d f d a g R u y d v h K q v h u d v r q d o N d z - V r z d u g v E r q y h j h a f h r u F l y h j h a f h U m a 2 6 1 (U s u a j h u 2 0 2 2) (z l v k D . R d u k l e d a j)

Tt “ x t3ft”et t “3 Kqgluq lq Cqvh p r Th|hv & Nkl Y lar q (hg v) Fluhfw Lxuvglv r q l q “ U x g l h v l q R u y d v h K q v h u d v r q d o C v i d (J d u w R x e d v k l a j , 2 0 2 1) 3 0 1 - 3 2 3 .

Tt “ x t3ft”et t “3 EQXF -19 lq vkh Erqv h (r i v k h E K I : T h f r q v l g h u l a j v k h E r q f h s w r i J d u g v k l s d a g H t f h O d i r x h l q D d o n d a q [h d e r r n r i G x u r s h d a q d a g K q v h u d v r q d o N d z 2 0 2 0 (U s u l q j h u , 2 0 2 1) k w s : / / g r l r u j / 1 0 . 1 0 0 7 / 1 6 2 4 7 b 2 0 2 0 b 1 5 (z l v k _ N M U r d a g

R r r p l q v U r r n v l s d l v d u q n l v

Tt “ x t3ft”et t “3 Cqv-Cuelwadvr q Kqrqv r qv lq Kqyhwr u-Urdv Cuelwadvr q: Kqwxp hqw ri Cexv ri Rurfw lq Lxohq Ekdvh hw do (hg v) J d q g e r r n r i K q v h u d v r q d o K q y h w p h q v N d z d a g R r d f | (U s u a j h u 2 0 2 1) (z l v k Y d v t C e d w F d u)

Tt “ x t3ft”et t “3 dvkh J dj xh Er qyhqv r q Rur vnfvr q ri Eklaghq dag Er-rshudvr q lq Thvs hfw r i K q v h u r x q v l C g r s v r q U x f f h w h v d a g E k d a h a j h v l q V k r p d v L r k a , h w d a , (h g v .) V k h G j d u E r p s d a j l r q w v k h J d j x h E r q i h u q f h r q R u y d v h K q v h u d v r q d o N d z (G G j d u 2 0 2 0) (z l v k U k y l n d E k r z g k x j)

Tt “ x t3ft”et t “3 Čklug-Rduyl Hkqglaj ri Cuelwado Ealp v l q K q g l d C P d u d v y h i r u C f f h w w L x w l f h l q N h l e E k r x n u q h & T d k x o F k r q g h (h g v) C g m a g l f d v l a j l a e d o D x v l q h w l q d a g z l v k K q g l d : K q v h u d v r q d o K q y h w p h q w d a g E r p p h u f l d o F l v s x w h v T h v r a v w r q l q K q g l d (T r x v o h g j h , 2 0 2 1)

N ‘vxP’ t x “ W t

c t t 3et “ wt3 ČEr z ylj lalqvwp dag Kqgluq hr qvaj l j k w i u d p h z r u n (2 0 2 0) O x v o p Y r u a g L r x u d o r i J x p d a j T l j k w 1 .

O t3f “ “ t 3 dvhdfklaj Eulv do Kqvhudvr qdo Ndz : Thidv r qv iurp vkh Rhuskul, VY CNT: Thidv r qv #29/2021, k w s : / / v z d l a u f r p / v h d f k l a j - f u w f d o l q v h u d v r q d o e a z - u h i d v r q v - i u r p - v k h - s h u s k h u j / , 1 2 - 0 3 - 2 0 2 1 .

W 3f5 O h q r q , M U T Č Q i G e e v d a g H o z v : W a g h u w a l a g l a j v k h N h j d o E r q v h t x h a f h v r i l u d a j l a j R h w r q k r r g w P d v u d a G v l v h v l q K q g l d , V u d q v d v r q d o G q y l u r q p h q v d o N d z L r x u d o 2 0 2 1 , 1 0 (3) s s 4 6 7 - 4 9 2 .

W 3f5 Ulyhgl, C. Čruqfls d r i E D F T - T E , K v K q v h s u h v a l v r q d a g k p s o p h q v a l v r q v k u x j k P F E v l q v k h E r q v h i w r i U x w l l q d e h F h y h o s p h q w E k d o h a j h v d a g Q s s r u x q l v h v , Y d v k l a j w q L r x u d o r i G a y l u r q p h q v d o N d z d a g R r d f | , 2 0 2 1 , 1 1 (3) s s 3 1 0 - 3 4 8 .

W 3f5 Uklup d, C.X. Čr p h w l f X l r d o q f h d a g K q v h u E r x q v l E k l a g C e g x f v r q : C q K q g l d a g L x g l f l d o d a g N h j l v a d v y h G s o u d v r q , L r x u d o r i R u y d v h K q v h u d v r q d o N d z , 2 0 2 1 , 1 7 (1) s s 1 1 4 - 1 4 6 .

W 3f5 Uaj k, U. Gqylur qp hqvdop s df vCwhwp hqwF udiw P r v i l f d v r q 2 0 2 0 , K q g l d : C E u l v t x h , E k l q h v h L r x u d o r i G a y l u r q p h q v d o N d z , (2 0 2 1) 5 (1) s s 1 1 - 3 6 .

W 3f5 Uaj k, U. Uxwllqdeh Fhyhosp hqw w dxw Uxwllqdehdvyl: Lxglldo Er qv lexvr q lq Gqkdaq l aj

Gqylur qp hqvdOndz lq Kqgluq, Vnfdv Lr xudori Gqylur qp hqvdOndz dag Rr df |, 2021 51(2) s s 36 60.

W 3f5 Čkp dg, P. dvkh Oxqlf l s doUr dg Y d v h F l v s r v d o r i Q n k e l N e l a g i l e l q F h k l : N r f d v l a j N h j d o H d p h z r u n d a g K q v l v x v r q d o T h v s r q v h v K q v h u d v r q d o L r x u d o r i G a y l u r q p h q w d a g Y d v h O d a j h p h q w 2 0 2 1 2 8 (4) s s 4 8 7 - 5 0 5 .

N’ tw3atyx 3 & W 3f x “ t3 dvkh Oxqlf l s doUr dg Y d v h F l v s r v d o r i Q n k e l N e l a g i l e l q F h k l : N r f d v l a j N h j d o H d p h z r u n d a g K q v l v x v r q d o T h v s r q v h v K q v h u d v r q d o L r x u d o r i G a y l u r q p h q w d a g Y d v h O d a j h p h q w X r o 2 8 , K v v x h 4 , Q f w e h u 2 0 2 1 s s . 4 8 7 - 5 0 5 F Q K 1 0 . 1 5 0 4 / K G Y O . 2 0 2 1 . 1 0 0 4 2 4 7 1

N’ tw3 atyx 3 ČThixj hhv dag Cj r ulwkp l f J x p d a j l v d a j l v p : C s s p l a j C u l i l f l d o K q v h o j h a f h w T U F R u r f h g x u h v d a g k p l j l v l v r q F h f l v r q v d a g O d n l a j l a e d o J x p d a j T l j k w Q e d j d v r q v T h o y d a q w w C K I r y h u d a f f h K q v h u d v r q d o L r x u d o r i Q l a r u l v d a g l u r s T l j k w X r o 2 8 , K v x h 3 (2 0 2 1) s s . 3 6 7 - 4 3 5

Tt “ x t3ft”et t “3 Ndvhw Nhd lv d v y h F h y h o s p h q w l q F d v l R u r v n f v r q N d z v l q E k l a d d a g K q g l d , (2 0 2 2) 1 8 (9) R u y d f | N d z D x a h v a q 1 7 4 (z l v k L h d a q h J x d a j , J d r [d a j L r v k x d O d n)

Tt “ x t3ft”et t “3 Dr r n Thylhz - F d a j h o l l u e h j h u h w d o (h g v .) , E k r l f h r i N d z l q K q v h u d v r q d o E r p p h u f l d o E r q v a d f w l a e d o R h u s h f v y h v r q v k h J d j x h R u q f l s d o v (2 0 2 1) 6 8 P h v k h u a l a g v K q v h u d v r q d o N d z T h y l h z 5 0 1

Tt “ x t3ft”et t “3 Vkh Hdx{ R d v r i v k h C x w p d v f U d l W a g h u v k h K q g l d a g C u e l w a d v r q C f w 1 9 9 6 - V k h J E E F l f w p , V z r E k h u l F r f w l q h , d a g D h | r a g (2 0 2 1) 2 1 (1) R h s s h u g l a h F l v s v h T h v r a v w r q N d z L r x u d o 1 9 5 (f r - d x v k r u l d x v e p O r k d q v)

Tt “ x t3ft”et t “3 Ekr l f h r i E r x u w C j u h p h q w : U h d v h n g E r p p r q - N d z L x u v g l f v r q v d a g K q g l d N d z v E r p s d u h g M p h i r u v k h E r q y h q v r q r i 3 0 L x q h 2 0 0 5 r q E k r l f h r i E r x u w C j u h p h q w A (2 0 2 1) 3 0 L r x u d o r i V u d q v d v r q d o N d z d a g R r d f | 1 (f r - d x v k r u R r r p l q v U r r n v l s d l v d u q n l v)

Tt “ x t3ft”et t “3 Kqr us r udvr q r i C q C u e l w a d v r q E a d v h l q C E k d u h u R d u y l q w C D o r i N a g l a j : H p l d o u E r p s d h i R u e d o p v z l v k q r P h z U r a v r q A (2 0 2 1) 1 8 (1) V u d q v d v r q d o F l v s v h O d a j h p h q w 1 (f r - d x v k r u R r r p l q v U r r n v l s d l v d u q n l v)

Xx xNwx x t wV “xwgt

O t3f “ “ t 3 Kqylvng w Lxgj h vkh vhp l-i l q d o u r x a g r i

vkh20vk J hqj FxqdaqwO hp r udoO r r vEr xwEr p s hvlv r q (P dvr qdoTr xqg), r q 21-24 Qf w ehu2021mlqv r uj dqlvhg e| vkh Kqgl d q Urflhv r i Kqvnuq dvr qdo Nbz (KUN) d qg Kqvnuq dvr qdoEr p p lw h r i vkh Thg Eur w (HETE) r q 23-10-2021.

O t3f " " t 3 Ekdluhg d s dqo r q J xp dq Tlj kw/Kqvnuq dvr qdoEul p l qdo Nbz r q 27-05-2021 dwvk 8vk Dlhqldo Er qihuhqfh r i vkh Cvldq Urflhv r i Kqvnuq dvr qdo Nbz (24-28 Odj 2021 r qdqh).

O t3f " " t 3 F hdyhug dq lqylvng v d n r q vkh w s lf r i P r q-w d v n C f w w d q g N b z r i K q v n u q d v r q d o T h v s r q v l e d v ' d w v k h E r a e t x l x p r q T h f h q w F h y h a s p h q w l q K q v n u q d v r q d o N b z ' r u j d q l v h g e | X l y h n d q d q g U f k r r o r i N b z d q g N h j d o U x g l h v, P h z F h k l r q 12 C s u o 2 0 2 1 (r q d q h).

O t3f " " t 3 Kqylvng w Lxgj h d U hv l r q l q v k h 9 v k K q v n u q d v r q d o X l u x d o E r q i h u h q f h r q " K q v n u q d v r q d o J x p d q l v d l d q d q g T h i x j h h N b z r q 13 v k L d q x d j , 2 0 2 1, e h l a j k r w n g e | v k h E h q w h r i K q v n u q d v r q d o J x p d q l v d l d q N b z d q g J x p d q u j k w d w v k h K q v n u x v h r i N b z , P l u p d W a l y h u l v y , C k p h g d e d g , l x r d u w

W 3f5 E d p d v n E k d a j h d a g N h j d o H d p h z r u n : C N h j d o C w h v p h a q w l q v k h E d p d v n E k d a j h E r q f a l y h r u j d q l v h g e | v k h F h s d u w p h q w r i H r u h w , G a y l u r q p h a q w d a g E d p d v n E k d a j h l r y h u a p h q w r i W R l q f r a e d e r u d v r q z l v k l i l q N k f n q r z r q Q f w e h u 2 8 - 2 9 , 2 0 2 1 .

W 3f5 S x d d v d v l y h T h v h d f k O h v k r g v z l v k F d v l E r a e f v r q ' l q v k h T h v h d f k O h v k r g r a j | z r u n v k r s v l w d g , E r u n v k r s r q K q v n u g l v f l s d q d j T h v h d f k C s s r d f k h v d a g O h v k r g r a j | E r u j d q l v h g e | l x r d u w P d v r q d o N b z W a l y h u l v y r q r q 2 3 u j Q f w e h u 2 0 2 1 .

W 3f5 d v h | q r v n d g g u h v r q E r p p r g l i f d v r q r i Y d v n u d a g T l j k w r i T l y h w l q v k h P d v r q d o Y h e l q d u r q " Y d v n u O d a j h p h q w N b z v : N i h , N y h d k r r g d a g G a y l u r q p h a q w r u j d q l v h g e | F U P N W d a g v s r q v r u h g e | K E U U T r q v k h 4 v k d a g 5 v k U n s v n p e h u 2 0 2 1 .

W 3f5 d h d f k l a j d a g T h v h d f k l a j r q K q v n u q d v r q d o G a y l u r q p h a q v d o N b z ' i r u v k h H d f x o l y F h y h a s p h q w R u r j u d p r u j d q l j h g e | O d k d u d v k v a d P d v r q d o N b z W a l y h u l v y O x p e d l r q U n s v n p e h u 2 9 , 2 0 2 1 .

W 3f5 d q v n u q d v r q d o N b z d a g E d p d v n E k d a j h r u j d q l v h g e | D T C E W a l y h u l v y , D d a j a l g h v k r q C s u o 2 8 , 2 0 2 1 .

W 3f5 d x w a l l q d e d h F h y h a s p h q w d a g P d v r u d o T h r x u f h v N b z ' i r u v k h K q v n u q d v r q d o N b z ' s u r j u d p p h i r u E d s d f l v y D x l a j l a j r i L x g j h v i u p D k x v a l q l a q N b z & G a y l u r q p h a q v d o L x w l f h " g x u a j 1 4 v k w 1 6 v k C s u o 2 0 2 1 r u j d q l v h g e |

P d v r q d o N b z W a l y h u l v y , L r g k s x u

W 3f5 d h d f k l a j d a g T h v h d f k l a j v k h R d u l f l s d v r q r i C i u d q E r x q v l h v l q Y V Q F l v s x v n U h w o h p h a q w G s a u a j v k h R r v l e l d v y r i C z d u g l a j N l v j d v r q E r w w , C q x d o E r q i h u h q f h r i C i u d q U r f l h v y r i K q v n u q d v r q d o N b z , C g g l v C e d e d , 2 9 Q f w e h u

Tt " x t3ft"et t "3 Kqylvng Us hdnu d f h y Edwh, Kqvnuj dvlaj vkh lqvnuhfv r q d d v l h v k u r x j k d V Y C K N d q v W a l y h u l v y r i R r u w p r x v k , L d q x d j 2 7 , 2 0 2 1 .

Tt " x t3ft"et t "3 R d q h o w y C v z r ' v d R d u y , V k u h h l v d q C u l f d n 4 2 E a l l p x q g h u v k h E K U ! R h v n u U f k d n f v d h p E K U E r q i h u h q f h U h v l r q 2 - C q x d o O C C K q v n u q d v r q d o E r p p h u f l d o N b z & C u e l w a d v r q E r q i h u h q f h , O d u f k 2 6 , 2 0 2 1 .

Tt " x t3ft"et t "3 R d q h o w y C E r q y h u a d v r q r q T a f l v p , C a q v U h p l v w p , d a g K r a p r s k r e l d , W a l y h u l v y r i R r u w p r x v k , O d u f k 1 9 , 2 0 2 1 .

Tt " x t3ft"et t "3 T h v r x u f h R h u r q C i q v n u q d v r q d o E r p p h u f l d o C u e l w a d v r q , E d s v x d n U y d h K q v n u q v l y h V u d l q l a j R u r j u d p p h i r u E d s d f l v y D x l a j l a j r i D k x v a l q h v L x g j h v , K q g l d q V h f k q l f d o d a g G r q r p l f E r r s h u d v r q , O l q l w u l r i G v n u q d o C i i d l u , l r y h u a p h a q w r i K q g l d P d v r q d o N b z W a l y h u l v y , L r g k s x u F h f h p e h u 9 - 1 1 , 2 0 2 0

Tt " x t3ft"et t "3 T h v r x u f h R h u r q , 6 v k P d v r q d o H F R r q l p s r u d a q f h r i L x u v s u g h a q f h l q V h d f k l a j N b z l d o r v l d W a l y h u l v y , l u d v n u P r l g d , W R , K q g l d , L x d o 2 8 v k , 2 0 2 1

Tt " x t3ft"et t "3 T h v r x u f h R h u r q , K q v n u q d v r q d o Y r u n v k r s r q T h v h d f k l q K q v n u q d v r q d o N b z , U f k r r a i N b z , U d v y d e k d p d K q v n u x v h r i U f d a g V h f k q r a j , E k h a q d l , K q g l d , L d q x d j 1 3 v k 2 0 2 2

Tt " x t3ft"et t "3 G v n u q d o G s h u y D r d u g r i U x g l h v , U a Z d y l h u v W a l y h u l v y U f k r r a i N b z , M a n d v e l , K q g l d , L x d o 8 v k 2 0 2 1 .

ct x c x x xwt wYxv x Qx " x xw

c t t 3et " wt , C h f l d v d l a j v k h R d u l f l s d v r q r i C i u d q E r x q v l h v l q Y V Q F l v s x v n U h w o h p h a q w G s a u a j v k h R r v l e l d v y r i C z d u g l a j N l v j d v r q E r w w , C q x d o E r q i h u h q f h r i C i u d q U r f l h v y r i K q v n u q d v r q d o N b z , C g g l v C e d e d , 2 9 Q f w e h u

c t t 3et " wt3 C v k h U h w o h p h a q w r i v k h T r k l a j | d F l v s x v n : l p s d f d l a j R u r y l v r q d o O h d v u h v , C v l d q U r f l h v y r i K q v n u q d v r q d o N b z E r q i h u h q f h , E d q e h u d , C x w a d d d , 2 5 O d j .

c t t 3et " wt3 E r q i h u h q f h r q l a e d d j d v r q r i

R u r i h v v l r q d o N h j d o G g x f d v r q : C E r q v w v x v r q d o E r q v s h f v x v , D h q q h w W a l y h u l v y , l u d v n u P r l g d , 3 C s u o

c t t 3et " wt3 N h f v x u h g h d y h u h g r q C v d g h - T h a d m g C v s h f w r i K q v n u h f v x d o R u r s h u y T l j k w , K q g l d q C f d g h p | r i K q v n u q d v r q d o N b z d a g F l s o p d f | , P h z F h k l , 2 7 P r y h p e h u

c t t 3et " wt3 N h f v x u h g h d y h u h g r q C v d g h - T h a d m g K q y h v p h q w O h d v u h v , K q g l d q C f d g h p | r i K q v n u q d v r q d o N b z d a g F l s o p d f | , P h z F h k l , 2 5 P r y h p e h u

c t t 3et " wt3 N h f v x u h g h d y h u h g r q E K U , K q g l d q C f d g h p | r i K q v n u q d v r q d o N b z d a g F l s o p d f | , P h z F h k l , 5 Q f w e h u

c t t 3et " wt3 U s h d n u K q v n u q d v r q d o N h j d o R u r v n f v l r q r i v k h T r k l a j | d R h r s o n , X d v x g h y E r a e j h r i N b z , J d a g z d q l , 2 1 C x j x w w

c t t 3et " wt3 C g g u h v h g , H d f x o l y F h y h a s p h q w R u r j u d p p h , K q v n j u d d W a l y h u l v y , N k f n q r z , 1 9 L x d o .

c t t 3et " wt3 N h f v x u h g h d y h u h g r q C v d z r i V u h d v l h v , K q g l d q C f d g h p | r i K q v n u q d v r q d o N b z d a g F l s o p d f | , P h z F h k l , 4 H e u x d j .

c t t 3et " wt3 N h f v x u h g h d y h u h g r q C v d z r i V u h d v l h v , K q g l d q C f d g h p | r i K q v n u q d v r q d o N b z d a g F l s o p d f | , P h z F h k l , 3 H e u x d j .

c t t 3et " wt3 N h f v x u h g h d y h u h g r q C v d z r i V u h d v l h v , K q g l d q C f d g h p | r i K q v n u q d v r q d o N b z d a g F l s o p d f | , P h z F h k l , 1 5 L d q x d j .

c t t 3et " wt3 N h f v x u h g h d y h u h g r q C v d z r i V u h d v l h v , K q g l d q C f d g h p | r i K q v n u q d v r q d o N b z d a g F l s o p d f | , P h z F h k l , 1 5 L d q x d j .

O t3f " " t 3 T h v r x u f h s h u r q i r u v k h v h v l r q d h a q h u d o J x p d q T l j k w N b z ' d w v k h d q v n u q d v r q d o E r q i h u h q f h r q E k d a h a j h v d a g V h q g v r i O l j u d v r q ' (r q d q h) , m l a q v r u j d q l v h g e | R x e d f K q v n u q d v r q d o N b z T h v h d u f k E h q w h , H O N b z U f k r r o , H a j d o x u x & E h q w h i r u R h d f h U x g l h v , P r u k U r x v k W a l y h u l v y , F k a n d r q 2 0 - 1 1 - 2 0 2 1 .

O t3f " " t 3 K q v n u q d v r q v s h d n r q v k h w s l f r i C v k h C i j k d a E u l v l v k u r x j k v k h d q v r i K q v n u q d v r q d o N b z d w v k h Q d a q h Y r u n v k r s v l w d g " V k h C i j k d a F h e d f d h - F h r q w v f v a j H u h l j q R r d f | , U h f x u l v , U h u r u l v p , d a g K q v n u q d v r q d o N b z " r u j d q l v h g e | v k h K q g l d q H u x p i r u R x e d f F l s o p d f | (H R F) d a g v k h K q v n u q d v r q d o N b z d a g R r d f | U r f l h v y (K R U) r i P d v r q d o N b z W a l y h u l v y Q g l v k d (P N Q) , r q 1 8 - 1 2 - 2 0 2 1 .

O t3f " " t 3 R u h v h q v n g d s d s h u r q d q v n u q d v r q d o a e z

l p s d f d v r q v r i T h f h q w F h y h a s p h q w l q C i j k d a q l w a d ' d v v k h r q h - g d | q d v r q d o z h e l q d u r q a e k d a h a j h v w R h d f h , v h f x u l v y & K q v n u q d v r q d o a e z l q U r x v k C v l d ' r u j d q l v h g e | v k h E d p s x v a e z E h q w h , H d f x o l y r i N b z , W a l y h u l v y r i F h k l r q 1 8 - 1 1 - 2 0 2 1 .

O t3f " " t 3 U s r n h r q v k h w s l f r i d v d e d q 2 . 0 , K q v n u q d v r q d o N h j d o d a g U r l d o Q x w o r n : R d v k z d l w R h d f h l q C i j k d a q l w a d ' d w v k h R d q h o F l v f x v l r q r u j d q l v h g e | v k h U d v k | d e d p d K q v n u x v h r i U f l h q f h d a g V h f k q r o j | (F h h p h g w e h W a l y h u l v y) , E k h a q d l r q 2 2 - 1 0 - 2 0 2 1 (r q d q h) .

O t3f " " t 3 F h d y h u h g d q l q y l v n g j x h w d f v x u h r q C i j k w w U h o - F h v n u p l a d v r q d a g T h i x j h h N b z l q v k h C v l d q E r q v n { w d w U | p e l r v l v N b z U f k r r o R x q h r q 1 6 - 1 0 - 2 0 2 1 (r q d q h) .

O t3f " " t 3 F h d y h u h g d q l q y l v n g s h v h q v d v r q r q C o p h u j l a j R r d v l f d o d a g N h j d o F | q d p l f v l q C i j k d a q l w a d : l p s d f d v r q v i r u K a g l d ' d w v k h q d v r q d o v l p s r v l x p r u j d q l v h g e | v k h E h q w h i r u K q v n u q d v r q d o R d v l v d a g N b z (E R N) , K q v n u x v h r i N h j d o U x g l h v d a g T h v h d u f k (K N U T) r i v k h l N C W a l y h u l v y , O d v k x u d r q 0 9 - 1 0 - 2 0 2 1 .

O t3f " " t 3 F h d y h u h g d q l q y l v n g d i f v x u h r q d v k h T h d y d a f h r i K q v n u q d v r q d o J x p d a q l v a l d q N b z l q E r q v n p s r u d j C u p h g E r q i d f w ' d w v k h Y h e l a d u r q K q v n u q d v r q d o J x p d a q l v a l d q N b z , r u j d q l j h g e | v k h K q v n u q d v r q d o N b z U r f l h v y d a g F h s d u w p h q w r i K q v n u q d v r q d o N b z , M K V U f k r r o r i N b z , D k x e d a q h v z d u Q g l v k d (r q d q h) r q 0 6 - 0 8 - 2 0 2 1 .

O t3f " " t 3 F h d y h u h g d q l q y l v n g s h v h q v d v r q r q d e E T d a g N h j d o R h u s h f v l y h v ' d w v k h q d v r q d o z h e l q d u r q d e o e d o E r p s d f w r q T h i x j h h v (l E T) l q H w n u a j N b z v , R r d f l h v d a g R u d f v l f h v y l v - d - y l v R u r v n f v l r q d a g E d u h ' r u j d q l v h g m l a q v o e | X K V - C R U f k r r o r i N b z , C a g k u d R u d g h v k , E h q w h r i U a v l v d v w q h w d a g T h i x j h h U x g l h v , U N T E I , V K U d a g W a l y n g P d v r q v J l j k E r p p l v l r q h u i r u T h i x j h h v (W P J E T) r q 2 1 - 0 6 - 2 0 2 1 (r q d q h) .

O t3f " " t 3 F h d y h u h g d q l q y l v n g d i f v x u h r q v k h w s l f r i C u p h g E r q i d f w d a g K q v n u q d v r q d o G a y l u r q p h a q v d o N b z ' d v s d u w r i H d f x o l y F h y h a s p h q w R u r j u d p p h r q G a y l u r q p h a q v d o N b z d a g U x w a l l q d e d h F h y h a s p h q w (i u p 2 6 O d u f k w 1 C s u o 2 0 2 1) r u j d q l v h g e | v k h X I V U f k r r o r i N b z , X I V , E k h a q d l (r q d q h) r q 3 1 - 0 3 - 2 0 2 1 .

O t3f " " t 3 F h d y h u h g d q l q y l v n g r q d a q j x h w d f v x u h r q d n z r i U a v l v T h v s r q v l e d v ' i r u v k h d n a j F x u d v r q E r x u h r q N b z r i v k h v h d a g O d u l v p h N b z ' i r u K a g l d q P d y | r i i l f h u , r u j d q l v h g e | v k h l x r d u w P d v r q d o N b z W a l y h u l v y , l d a g k l P d j d u l x r d u w (r q d q h) r q 2 2 L d a x d j

2021.

O t3f " " t 3f hdyhuhg dq lqylvng r qdqh dhf vxuh (r q 23 Lxqh 2021) r q vkh wslf *ŪWh* ri H f h d q g Er dhf vlyh Uhfxulv dwkh 19vk Uxp p huEr xw r q Kqvnuqdv r qdoNdz , r u j d q l } h g e l v k h k q g l d q U r f l h v y r i K q v n u q d v r q d o N d z (K U N) , P h z F h k l , (r q d q h) 14 L x q h - 25 L x q h , 2021 .

W 3f5 f lv d w n u d a g E d p d m E k d a j h d j d o H d p h z r u n l q K q g l d l q v k h Y h e l q d u r q E d p d m E k d a j h d a g P d v x u d o F l v d w n u O d a d j h p h a w E k d o h a j h v d a g R u r v s h f w k q k q g l d ' Q u j d q l v h g e l U f k r r o r i N d z , E k u d w W a l y h u l v y l q f r a e d e r u d v r q z l v k P d v r q d o K q v n u x v n r i F l v d w n u O d a d j h p h a w O l q l w u l r i J r p h C i d l w , r q 12 C x j x w w 2021 .

W 3f5 c f f h w d a g D h q h i l w k d u l a j d a g R u r v n f v r q r i V u d g l v r q d o M r z d o j i h : C N h j d o C a d q d v v r i K q g l d q D r F l y h u l v y T h j l p h l q v k h l a e d o F l d o j x h r q D r g l y h u l v y N d z d a g l r y h u a d q f h r u j d q l v h g e l E h q v a h i r u G a y l u r q p h a v e l o N d z , O d f t x d u h W a l y h u l v y , U l g q h | , C x w u d d r q 6-8 L x d 2021 .

W 3f5 d x w a l l q d e d h F h y h a s p h q w w d x w l x w a l l q d e l d v y : T r d h r i K q g l d q L x g l f l d j l q R u r p r v l a j G a y l u r q p h a v e l o L x w l f h l q v k h W E P C G N 2021 E r a t x l x p - V k h i x v x u h r i G a y l u r q p h a v e l o N d z : C p e l v r q d a g T h d o v , r u j d a l v h g e l v k h W a l y h u l v y r i l u r q l a j h q , P h v k h u a q g v r q 24-28 O d j 2021 .

W 3f5 c h l u d a g G t x l v a d e d h D h q h i l w k d u l a j d a g F r p h w l f G a v l h v : C N h j d o C w h w p h a w r i R x u s r v l y h K q v n u s u h a v r q l q l q v n u d v r q d o N d z r q v k h C U C P U N 2021 , 8 v k D i h a q l d o E r q i h u h q f h r u j d a l v h g e l W a l y h u l v y r i U r x v k Y d o h , C x w u d d r q 24-28 O d j 2021 .

W 3f5 c x w U x w a l l q d e l d v y : C R d u d g l j p U k l i w l q G a y l u r q p h a v e l o R u r v n f v r q r q v k h 2021 K q v n u x v n r i u l a e d o W a g h u a d q l a j D i h a q l d o l j p s r v l x p r q J x p d a T l j k w d a g v k h G a y l u r q p h a w r u j d a l v h g e l O r a p r x v k W a l y h u l v y , W a l y h g U v a h n v r q O d u f k 25-27-2021 .

N' tw3atyxx 3 Er u q d y l u x R d a g h p l f d a g R o x u d v p l q K q g l d : E r q v n v w a j v k h H x q g d p h a v e l o Q a w a j f d o H d p h z r u n r i v k h T l j k w w T h o j l r q e h v h h q O h g l d F h s l f v r q r i U w x f v x u d o L x w l f h l q v k h E r q v a j l r q E r q v a l q p h a w d a g K q v n u q d v r q d o J x p d a T l j k w N d z ' K q v n u x v n r i Q e r h f v l y h U x g l h v (I Q U) , P h z F h k l , Q a h F d j Q q d q h K q v n u q d v r q d o E r q i h u h q f h r q a g h q v i i l f d v r q r i R u q f l s d h r i H x a q d v r q v H u l a e d o R h d f h r q 23 u g L d q x d j , 2021

N' tw3atyxx 3 d h f x u d a j K q g l d v D r u g h u : T h - f d d e u d w a j U C C T E z l v k P h r - u j l r q d d v p K q i u d w x f v x u h F l s a p d f |

C s s u r d f k ' l a e d o E r x q v n u v h u r u v p E r x q f l o (l E V E) , P h z F h k l , U v a d v h j l f K q i u d w x f v x u h d a g D r u g h u F h y h a s p h a w E r q i h u h q f h , C x j x w w 17 v k - 20 v k , 2021

N' tw3atyxx 3 d h g h u d l a j W a l y h u d o W a g h u a d q l a j i r u L x w d a g C f u r w v k h D r d u g V u d v p h a w r i T h i x j h h v : F h f r o q l j l a j v k h C f r p s d v k p h a w r i l a e d o W w s l d r i R h d f h ' E C T H O U 21 w C q x x d o E r q i h u h q f h r q H f h g O l j u d v r q , E d a d g d r q Q f w e h u 27-29, 2021

N' tw3atyxx 3 T h v r x u f h R h u r q d w k h E r q i h u h q f h r q d e p d m E k d a j h d a g T h i x j h h v K H O N d z U f k r r o D a j d o h - k q g l d , 19 d a g 20 P r y h p e h u 2021

Tt " x t3ft"et t 3 E K U l q v k h f r q v n { w r i E Q X F - 19 O d n h z d j i r u j d u g v k l s d a g H f h O d h x u h W P E W T C N T E C R W O L r l q w E r q i h u h q f h 2020 r q c p e u d f l a j N h j d o J d u p r q l j d v r q d v d R d q d f h d i r u v k h E k d o h a j h v H f l l a j K q v n u q d v r q d o V u d g h d w v p h v r i l a e d o R d a g h p l f , F h f h p e h u 4, 2020 .

Tt " x t3ft"et t 3 K a y l v n g R d u l f l s d a w 8 v k C a q x d o E r q i h u h q f h E d s h V r z q E r q y h q v r q C f d g h p l f R u r r h f w W a l y h u l v y r i Q { i r u g , 10-11 U h s v n p e h u 2019, Q { i r u g .

Tt " x t3ft"et t 3 R d q h o w w e l j l v a d v u d g h d a g F l j l v a d v r y h u h j q v y : P d y l j d v a j e h w s u d v l f h i r u f u r w e r u g h u g d v l v a d q v i h u , W a l y h u l v y r i U l g q h | , 16 v k Q f w e h u 2020 .

Tt " x t3ft"et t 3 R u h v h q v n u K q g l d v R u l y d v h K q v n u q d v r q d o N d z : V k h U d j d r i R h u l w n q f h z l v k v k h E r a q d o k a v l q f w , C v i d a g N h j d o J l w u j E r q i h u h q f h , J r a j M i q j , L x d 25 v k , 2021 .

N ' x tvtwx 'vtv' x x x

O t3f " " t 3 C T h g x f v r q l w w X l h z r q v k h T r d h r i N d z | h u v ' , Q s l q l r L x u l v , k w s : / / r s l q l r m u l v r u j / 2021/10/01/d-uhgxfvr qlwvylhz - r q - v k h - u r - i - a z | h u w / , 01-10-2021 .

O t3f " " t 3 O l d v a l j G h u f l v h e l r v k h u U v a h n v l q K q g l d v G f a v l y h G f r q r p l f] r q h d a g v k h N d z r i v k h U h d (R d w 2) , T U T T D o j , k w s : / / w u l q / 2021/08/14/p l d v a l j - h { h u f l v h v - l q - l a g l d v - h h } - 2 / , 14-08-2021 .

O t3f " " t 3 O l d v a l j G h u f l v h e l r v k h u U v a h n v l q K q g l d v G f a v l y h G f r q r p l f] r q h d a g v k h N d z r i v k h U h d (R d w 1) , T U T T D o j , k w s : / / w u l q / 2021/08/13/p l d v a l j - h { h u f l v h v - l q - l a g l d v - h h } - 1 / , 13-08-2021 .

O t3f " " t 3 K q g l d v F h f l v y h V x u r q v k h T l j k w r i U h o - F h i h q f h ' , Q s l q l r L x u l v , k w s : / / r s l q l r m u l v r u j / 2021/03/22/lqgldv-ghflvlyh-vxuq- r q - v k h - l j k w r i - v h o - g h i h q f h / , 22-03-2021 .

O t3f " " t 3 P r q - E r p s d d q f h z l v k J x p d q l v a d d a C j u h h p h q w w ' , Q s l q l r L x u l v , k w s : / / r s l q l r m u l v r u j / 2021/01/13/q r q - f r p s d d q f h - z l v k - k x p d q l v a d d a - d j u h p h a w / , 13-01-2021 .

O t3f " " t 3 R r g f d w u l q l y d v D x u d r q K q g l d v C s s d u h q w U k l i w r q U h o - F h i h q v h , L H D / L C D : V k h N d z v r i Y d u R r g f d w u G s l v r g h 22 , k w s : / / r e r d e s r g f d w f r p / h s l v r g h - 22 - v u l q l y d v - e x u d - r q - l a g l d v - d s s d u h q w w l i w r q - v h o - g h i h q v h / , 24-05-2021 .

O t3f " " t 3 O h p e h u K q v n u q d v r q d o N d z C w r f l d v r q (K N C) U x g l | l u r x s : K q v n u q d v r q d o N d z r i T h j l r q d o Q u j d a l v d v r q v . (Q a j r l a j) .

W 3f5 E k d p r o d H r r g v C u h d T h p l a g h u V k d w l x w a l l q d e d h F h y h a s p h a w W a q w G a r x j k , H h e u d u j 18 , 2021 , V k h Y l u h k w s : / / v f l h a f h . v k h z l u h . l q / h a y l u r q p h a w f k d p r o - i a r g v - d u h - d - u h p l a g h u - v k d w v x w a l l q d e d h - g h y h a s p h a w l v a w h a r x j k /

N' tw3atyxx 3 C u l i l f l d o k v n o j h a f h d a g K q v n u q d v r q d o T h i x j h h N d z ' O r g h u a F l s a p d f | , 05 U h s v n p e h u 2021 k w s : / / p r g h u a g l s a p d f | . h x / 2021/09/05/d u w l f l d o l a v n o j h a f h - d a g - l a v n u q d v r q d o u i x j h h - a z /

N' tw3atyxx 3 d v d e d q l r y w Y k d w F r h v K q v n u q d v r q d o N d z U d | C e r x w T h r j q l w a j K a V k h S x l a w 10 U h s v n p e h u 2021 , k w s : / / z z z . v k h t x l q w f r p / y r l f h v r s l q l r q / v a d e d a j - j r y w z k d w g r h v - l a v n u q d v r q d o - a z - v d | - d e r x w u h f r j q l v l q j - l v x v p b v r x u f h ? H f h e r r n b y G D & x v p b p h g l x p ? U r f l d & x v p b f d p s d l j q ? v r f l d o k d u h e x w v q v & x v p b f r q v n q w 05 g 2 g f d d - 5 4 i i - 4 g 6 5 - 8 4 0 9 - 78326110hgeib1631266952973&iefdg? k CT2HM5rj{nl | fVERs 3t yKej t Uofl RZ7ej 2kDdkf] vHOefgz{ ZQ} z v gf

N' tw3atyxx 3 d r f d v a j U x w a l l q d e d h O l j u d v r q H d p h z r u n l q d l a e d o } h g Y r u e g d a g D h l r a g W P E U T , O r g h u a F l s a p d f | , 15 P r y h p e h u 2021 , k w s : / / p r g h u a g l s a p d f | . h x / 2021/11/15/a f d w a j - v x w a l l q d e d h - p l j u d v r q - i u d p h z r u n - l a - d - j a e d o } h g - z r u e g - e h | r a g - w k h - x q f w / A i e f d g ? k CT1GR6[]] M I U r 25Z97CD} 5s Nj Zf908d j TVO} | G f M a y v f n f r } - r S r d s a j v

N' tw3atyxx 3 C i j k d q T h i x j h h v : C v l a p T h w d f v r q l v p d a g H x u h r i P r q - u h i r x o d p h a w l a G x u s h ' T h i x j h h N d z K q l v d v y h , U f k r r o r i C y d a f h g U x g l h v , W a l y h u l v y r i N r q g r q , W M , 15 F h f h p e h u 2021 k w s : / / u d . e o j . v . v d w . d f . x n / 2021/12/15/d i j k d q - u h i x j h h - d v l a p - u h w d f v r q l v p - d a g - i x v x h - r - i - q r - q - u h i r x o d p h a w

lq-hxur sh/

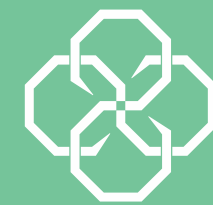
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f " t t t 3et' 3 (UCW/NU(R)/2013/001) z d v d z d u g h g R k F (v k h F h j u h r i F r f w u d v n r i R k l o v r s k | l q N d z) r q v k h w s l f d q v n u q d v r q d o U r a u C a d q f h d v d v x l j h q h u v K q v n u x v r q i r u l a e d o G a h j | l r y h u a d q f h : C N h j d o C a d q d v l v x q g h u v k h v x s h u y l v r q r i F u U n o q d L r o p , H N U - U C W r q Q f w e h u 21, 2021 .

N' ty 3Z 5r5 (UCW/NU(R)/2016/04) z d v d z d u g h g R k F (v k h F h j u h r i F r f w u d v n r i R k l o v r s k | l q N d z) r q v k h w s l f d v k h N d z r q v k h U a d q v d v r q d o U d o v E r q v a f w l q D a j a e g h v k - P h h g i r u J d u p r q l j d v r q ' x q g h u v k h v x s h u y l v r q r i F u U d l T d p d a l l d u p h a e l , H N U - U C W r q Q f w e h u 21, 2021 .

c t3N' twSt tw3 (UCW/NU(R)/2016/06) z d v d z d u g h g R k F (v k h F h j u h r i F r f w u d v n r i R k l o v r s k | l q N d z) r q v k h w s l f c j j u h v r q l q K q v n u q d v r q d o N d z : C q G y d o x d v r q r i K v E u p l a d o v d v r q x q g h u v k h U v a x v n r i v k h K q v n u q d v r q d o E u p l a d o E r x u w x a g h u v k h v x s h u y l v r q r i F u U l l q l y d v D x u d , H N U - U C W r q U h s v n p e h u 28, 2021 .

g " xw3Nu' " ' x 3 (UCW/NU(R)/ 2018/05) z d v d z d u g h g R k F (v k h F h j u h r i F r f w u d v n r i R k l o v r s k | l q N d z) r q v k h w s l f d h g x f l a j G p l w r q v i u r p F h i r u h w a v r q d a g H u h w F h j u d g d v r q - R o x v (T G F +) d a g v k h K q v n u q d v r q d o N d z r q H l h h , R u r u d a g K q i r u p h g E r q v h a w x a g h u v k h v x s h u y l v r q r i F u U n o q d L r o p , H N U - U C W r q F h f h p e h u 07, 2021 .



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Biotechnology**

Faculty of Life Sciences & Biotechnology

Vkh | hdu 2021 waluvg z lvk fr qvlqxdlv q ri UCTU-Er X2 s dqghp lf. Vkh r qdqh vndfklaj fr qvlqxhg ir uvkh Odvhu/daq RkF vxghqwr. Cv vkh qxp ehur i lqihfvir qvghf uhdvhg daq vkh vlxdlv q lp s ur yhg dur xqg Hheukduj 2021, HNU r s hqhg vkh aler udv ulhv ir uvkh vxghqwr, daq vkh| fr xag fr qvlqxh vkh lus ur rhf wlvhdvk z r un. Vkh vhr qg z dyh ri vkh UCTU-Er X2 kds shqhg iur p vkh Odvk 2022 daq khqfh, vkh aler udv ulhv z huf avhg gxh w vkh vs hdg ri vkh lqihfvir q. Vkh avngz q dar z dv lp sr vhg lq vkh p r qvk ri Cs udodag vkh glvuxs vlr qv fr qvlqxhg vlxqh 2021. Vkh idfxalhv fr qvlqxhg vkh lu uhvhdvk e| z ulvaj p dqxvuls w daq ghdyhulaj vkh dhfvxuhv. Y khq vkh lqihfvir qv vxevlghg, vkh aler udv ulhv z huf r s hqhg, daq vkh vxghqwr fr qvlqxhg vkh lu uhvhdvk z r un lq vkh vhr qg kdri vkh 2021. Vkh vklug vhp hvhu OUF vxghqwr z huf fdahg w vkh fdp svx ir ufr qgxfvlaj vkh s dfvlf doz r un, ir avz hg e| vkh Thvhdvk Ohvkr gr aj| fr xwh. Kq vkh vhr qg kdri 2021, HNU dar r uj daj| hg vhp lqdu lq vkh r qdqh p r gh. Fxudaj vkh | hdu vkh uhvhdvk z r un fr qvlqxhg, ihz ri vkh RkF vxghqwr vxep lwhg vkh lu vkhlv z r un daq jr vkh ghj uhv daq revallqhg sr vgr f w do sr vlv qvlq deudg. Fxudaj vkh | hdu xuidfxav| p hp ehv s xedvkhg p r uh vkdq 30 p dqxvuls w, daq revallqhg vhyhvdh{ vdp xudoj udqv. Qxuidfxav| p hp ehv dar vhyh dv hglw u, hglw udoer dug p hp ehv, p hp ehv ri ydur xv lqvhuqdlv qdovr flhvhlv daq uhj xalud thylhz p dqxvuls w ir u vkh mxudav ri uhs xv. Nnh vkh shylr xv | hdu vkh idfxalhv daq vkh vxghqwr s hur up hg z hoolq 2021 dv fdq eh vhhq iur p vkh s xedvdlv qv daq dfklhyhp hqwr. Y h duh hdj huq z dlvlaj ir u 2022 ir uvkh qr up daf| w thvud iur p vkh s dqghp lf daq kr slaj w wlvur iidqhvndfklaj .

f vx tw " xwt vv 4 " x u x t 4
at x yc z t xGZ 5v50" xv' z
Ot v' 798



Cij kdqlwala	4	O dajlyhv	0
Ddaj aeghvk	3	P hs do	5
Dkxvaja	3	Rdnlwala	0
Kqgld	10	Ul Ndaqnd	0
Qvkhv	0		

at x yc z t xGZ 5c' "5c' 5Q50" xv' z
Ot v' 798

Cij kdqlwala	1	O dajlyhv	0
Ddaj aeghvk	0	P hs do	1
Dkxvaja	0	Rdnlwala	0
Kqgld	2	Ul Ndaqnd	1
Qvkhv	0		

Qx t" yStv Z x ux

	at x	c' Q Nyy"t " - lxt	Qx "z t "	N xt yf xv't " t " 6/ x x
	Tdity M Ud[hqd	Coolqgld Kqvlxvhn ri Ohglf do Uf lhaqhv, Phz F hkl, Kqgld, 1977	RUC Uhaqr u Uf lhaqvwy HNU UCW	Kp p xqr aj , Gd vkr sr lhlv, P dqr s dvlf dhv Kqvhuaf vlr qz lvk Dlr aj
	Uhaqvklomk p du Xhaqj r s do	Coolqgld Kqvlxvhn ri Ohglf do Uf lhaqhv, Phz F hkl, Kqgld, 2000	Cf vlaj Xlf h Ruhlghqwr (z hi 24.12.21), Rur ihwr u & F hda	Dlr p hglf do Thvhdvk, Or dhfxalu Ohf kdqlvp v lqyr oghg lq vkh Rur j uhvkr q ri NyhuF lvdhv
	Ukleqdvk Odjxp ghv	RI IOGT, Ekdqglj duk, Kqgld, 1999	Rur ihwr u	Kp p xqr aj 1. Jr vws dvr j hq lqvhuaf vlr qv 2. Kp p xqr -w{ lfr aj
	Tlv l dxu	P dvr qdokaqvlxvhn ri Kp p xqr aj , Phz F hkl, Kqgld, 2001	Rur ihwr u	Xlur aj : Jr vwr dvr j hq lqvhuaf vlr qv daq ghvh s laj dqvlyludvdj dlqwdl K-1
	Tlqnr r F hyl l xsvd	F hs duwp hqwr ri jr r aj , Ddqdudv J lqgx Wqlyhuav , Kqgld, 2005	Cwr fladv Rur ihwr u	Rur vnlq Uf lhaqhv: Rur vnlq Gaj lqhhdaj , Gaj p r aj daq F uaj F lvr yhu
	Rulv Ud[hqd	P dvr qdokaqvlxvhn ri Kp p xqr aj , Phz F hkl, Kqgld, 2008	Cvlwalaqwr Rur ihwr u(U)	Ekhp lf do Dlr aj : Rur vhr p lf v, Ohvaler ap lf v & Or dhfxalu Ohf kdqlvp v ri kr vws dvr j hq lqvhuaf vlr qv lq p fr edf vhu ddoglvhdvh
	Cqdagd Oxvdl	RkF Kqvhuqdlv qdo Ehqvhuir ul hqhvf Gaj lqhhdaj daq Dlr vhr kqr aj , Phz F hkl, Kqgld, 2010	Cvlwalaqwr Rur ihwr u(U)	Ralqwr dhfxalu Dlr aj /Celr vlf Uvhw Vr dhudqf h lq s alqwr
	Tdyl Ukdqndu Cnxqgl	Wqlyhuav ri Hlhlexj Ohglf do Uf kr r o Hlhlexj , l hup daj , 2005	Cvlwalaqwr Rur ihwr u(U)	P hxur ghj hqhvdvr q daq Kqj ap p dvr q lq vkh eudlq
	[xedudm Rr nkduho	Ekr vxq Wqlyhuav , l z daj n, Ths xedf ri M r uhd, 2009	Cvlwalaqwr Rur ihwr u(U)	Edqf hu Dlr aj , Qqf r j hq lf Cf vlylv ri Rur vnlq Kqvhuaf vlr qv ri dahdg hvale dvhkhg Ddlw Qqf r s ur vnlqv

	C.MT. l r elqdsk	Rk.F Dlr vnfkqr σ j (Kqgldq Kqvwvvh r i Vnfkqr σ j Ek hqqdl, Kqgld, 2008)	Cvwlwdaqw Rur ihwr u(U)	Dlr s ur f hw d qg Dlr f k hp l f do Gaj l qhhulaj Dlr Gq h j d qg Xdaxh-dgggh s ur gxfw
	Rd qndhMkp du l lu	P dvr qdo Wqlyhuwlv r i Uaj ds r th, Uaj ds r th, 2012	Cvwlwdaqw Rur ihwr u	Pr q-fr glaj TPC, Qqfr σ j d qg Uuxfw udo Dlr σ j

N t w 6J 6 xv't exv z ""

T u' t' 3NXe: Ox exxt v' ct x N t w Kqghuvkh vkhp h r i Dlr p dw & Dlr hq h j | l q vkh Hivk Kqvhuqdvr qdo Er qihuqfh Dlr hq h j |, Gqylr qp hqw d qg Ux wallqde d h Vnfkqr σ j l hv(DGUV-2021),2021.

Z t w x 3 f 5 G hnf vng Hwz z Y h w D h q do Cf dg h p | r i Uf l h q f h & Vnf k q r σ j |, 2021

ft x t 3 c 5 G O K F u L X . D k dw Cz d u g i r u D h w T h y l h z R ds hu v w d h g , D i r i l q p v . C u f k l v n f v x u h , T h v l w d a q f h , S x r u p U h q v l a j d q g E r q w r o O h f k d q l v p v ' R P L O 60 (K: 1-12, (2019)- s x e d v k h g l q K q g l d q L r x u q d a r i O l f u r e l r σ j | (R P L O 59 (K K X) , L d q . - F h f . 2019) d q g d z d u g h g g x u l a j 61 w w C q q x d o E r q i h u q f h D i l f u r e l d o Y r u e : T h f h a w F h y h o s p h q w l q J h d o k , C j u f x o x u h d q g G a y l r q p h q v a d o U f l h q f h v r i C w r f l d v r q r i O l f u r e l r σ j l w r i K q g l d (C O X) k h o r q q d q h i u r p 1-5 H e u d u j , 2021.

T t t w S x " v y x w x u x y ' x Stv

T " 3 c 5 G 5 G s o t h u j x a v r q r i q x f o d u t h f h s w u d f v l y l v e | q r q - f r g l a j T P C l q r y d u d q E d a f h u T d p d d a j d v z d p l T h - h a v d H w z z v k s - F D V - R P F I C , 2019-2024, R P T 4.5 p l a e r q

T " 3 c 5 G 5 G s o s o d v r q r i p r d h f x a u g l q d p l f v r i h s l u d q v f u s w p l f v l q D - E h a p d o j q d q f l h v . - U T I - U G T D - F U , 2019-2021, R P T 3.2 p l a e r q

T t 3 e 5 G 5 G h g h v l j q l a j r i e d f v n u d o h q g r f k l v a d v h i r u h a q d a f h g d a v i x a j d o d f v l y l v , U f l h q f h G a j l q h h u l a j T h v h d f k D r d u g , l r y w r i K q g l d , i u r p 10 v k L x p 2018 w 9 v k L d q x d u j 2022, R P T 4.5 p l a e r q .

Z t y' 3 N 5 G q h q v i l f d v r q d a g f k d u d f v n u d v r q r i s k | w v o r n l q h u f h s w u n l q d v h j h q h i d p l o r i U f h y l v - y l v C u d e l g r s v l v d a g h o x f l g d v l a j l w u r d h l q d e l r v l f w h w w d h u d a q f h , F D V , 16/03/2019-16/03/2022, R P T 6.8 p l a e r q .

c ' t x 3 l 5 e 5 G r o r i R u r w a d h V x p r u Q y h u { s t h v r q 1 (R V Q X 1) l q J r u | r q w o l u d q v i h u r i D l r d f v l y h O r d h f x o v y l d G r v r p h v l q D u h d w E d a f h u E h a w d a g l w E d a f h d o

l p s d f d v r q . " , R E O T 2020, G O T C g k r f R u r r h f w 3 | h d u , R P T 5.17 p l a e r q .

c ' t x 3 l 5 e 5 G q h y h w l j d v l a j d a g y d d g d v r q r i v k h p r d h f x a d u p h f k d q l v p r i W P C P K p h g l f l q h l v l q y l v r d a g l q y l y r i r u v k h v h d v p h a q w r i C w s l f F h u p d v l w , E E T W O , O l q l w a j r i C [W U J , l r y w r i K q g l d , 3 | h d u , R P T 4.68 p l a e r q .

ft x t 3 c G 5 G q h y h w l j d v l a j H k q f v r q d o T r o r i R r o n h v l g h O r g l i | l a j G a j | p h v l q O | f r e d f v n u d o D l r σ j | , U f l h q f h d a g G a j l q h h u l a j T h v h d f k D r d u g , F h s d u p h a q w r i U f l h q f h d a g V n f k q r σ j | , l r y h a p h a q w r i K q g l d , 2019-2022, R P T 5.5 p l a e r q

ft x t 3 e 5 G U h a l r u U f l h q v w w C z d u g , K q g l d q P d v r q d o U f l h q f h C f d g h p | , L d q 2020 w L d q 2025, R P T 2.3 p l a e r q .

ix z t 3 f X 5 G f h y h o s p h a w r i g l d j q r w l f v d a g h { s h u l p h a q v o v k h u d s h x w l f v x v l a j E T K U R T - e d v h g v n f k q r σ j l h v , F h s d u p h a q w r i D l r v n f k q r σ j | , l r y w r i K q g l d , 3 | h d u , R P T 0.3375 p l a e r q .

Rw" "t 6ex "x " z t w exyx xx" z N " x

N w 3 e 5 G 5 G

l u d a w T h y l h z h u (G v n u q d o G s h u w) i r u P d v r q d o U f l h q f h E h a v n u R r a e l q g

Cg-krf Thy l h z h u i r u v k h m x u q d a r C E U E k h p l f d o P h x u r v f l h q f h , D o r d h f x a u p h x u r e l r σ j | d a g C R x u q h j l f U j q d d a j .

T t 3 e G
l x h w G g l w u T h v r y l r σ j |

G g l w u d d o D r d u g - U f l h q v i l f T h s r u w
T h i h u h U f l h q v i l f T h s r u w , X l r σ j | , T h v r y l r σ j |

c ' t x 3 l 5 e 5 G
E k l h i G g l w u K q v n u q d v r q d o L r x u q d o r i O h g l f l q h d a g D l r p h g l f d d f l h q f h v
O d a j l a j h g l w u H r q v h u l q D l r v f l h q f h
G g l w u D l r f k h p l w d q a g R k d u p d f r σ j | : Q s h q C f f h w

G g l w u N i h U f l h q f h : d q K q v n u q d v r q d o L r x u q d o
G g l w u L r x u q d a r i O l f u r e l r σ j | T h v h d f k U r f l h v j
G g l w u : C x v w q L r x u q d o r i D l r v n f k q r σ j | d a g
D l r h a j l q h h u l a j
G g l w u K q v n u q d v r q d o T h v h d f k L r x u q d a r i R k d u p d f r σ j |

**N " x Z x u x ' " y
a t " t 6 / x t " t o w x**

N w 3 e 5 G

O h p e h u U r f l h v j i r u P h x u r v f l h q f h , W U C

O h p e h u U r f l h v j i r u N h x n r f | v n D l r σ j | , W U C

O h p e h u K q v n u q d v r q d o D u l q T h v h d f k Q u j d q l d v r q ,

H d a f h
N i h O h p e h u K q g l d q C f d g h p | r i P h x u r v f l h q f h v , K q g l d

N i h O h p e h u U r f l h v j i r u P h x u r f k h p l w d K q g l d , K q g l d

T t 3 e G
N i h O h p e h u U r f l h v j r i D l r σ j l f d o E k h p l w O l f u r e l r σ j |
v r f l h v j . K q g l d q X l r σ j l f d d U r f l h v j

T t 3 e 5 G 5 G

N i h p h p e h u r i K q g l d q U f l h q f h E r a j t h w , K q g l d

N i h p h p e h u r i P d v r q d o C f d g h p | r i D l r σ j l f d o U f l h q f h v ,

K q g l d
N i h p h p e h u r i C v l d q H g h u d v r q r i D l r v n f k q r σ j |

N i h p h p e h u r i K q v n u q d v r q d o d f d g h p | r i R k | v l f d o

U f l h q f h v , K q g l d
N i h p h p e h u r i T r | d d U r f l h v j r i E k h p l w d , W M

N i h p h p e h u r i D l r f k h p l f d d U r f l h v j , C y d a f l a j O r d h f x a u

D l r v f l h q f h v , W M

Z t w x 3 f 5 G

N i h O h p e h u U r f l h v j r i D l r σ j l f d o E k h p l w , K q g l d

c ' t x 3 l 5 e 5 G
O h p e h u U f r s h F d v a e d v h (L r x u q d o K q g h { l a j d a g E l v a v r q

d a d q v l v) .
O h p e h u G k l f f x p D l r v d p s o T h o d v h E r p p l w n h (G E T D) -

P d v r q d o N y h u F l v h d v h D l r e d a n (P N F D) , P h z F h k l .

O h p e h u r i M r u h d q U r f l h v j r i V r { l f r σ j |

G k l f d o E r p p l w n h p h p e h u r i P d v r q d o N y h u F l v h d v h

D l r e d a n , P h z F h k l , K q g l d

J h d o k d a g U f l h q f h G s h w d a g s u h v q h u d v d j x h w l q C o

K q g l d T d g l r , P h s d o R u r j u d p h .
G g l w u l q E k l h i r i K q v n u q d v r q d o L r x u q d o r i O h g l f l q h d a g

O h p e h u r i C p h u l f d q C w r f l d v r q r i R k d u p d f h x w l f d o

v r f l h v j .

O h p e h u r i R k d u p d f h x w l f d d U r f l h v j r i M r u h d .

O h p e h u r i K q v n u q d v r q d o U r f l h v j i r u v k h U x g | r i

Z h q r e l r v f v .

ix z t 3 f 5 G 5 G
O h p e h u C p h u l f d q C w r f l d v r q i r u v k h U x g | r i v k h N y h u

F l v h d v h .

T h y l h z h u i r u v h y h u d a n x u q d a v .

c u " v t "

N " v x " W t

U k d u p d T M U a j k O , l k l p h u d | M L x q h r d R F h y l ,
R x a d y d u w k l U , T h g g | U T , N w e f 5 P r y h o

d f h v j o r d a q h v n u d v h l a k l e l w w g l v s a j s r v n q w d a v -

s u r d i h u d v h h i i h f w l q v k h x p d q q h x u r e a d w p d f h o d a q ,

I O T - 32 . O r d h f x d v (2021) , 26 (17) : 5319 .

T d n M N w e f 5 0 x v a d q v a l f l q - 3 f r q v e l l a j d j j h j d v n

(O C V C I l v) l q v l q r f h u h e h a u d v e l d v s h 3 : g l q d p l f v r i

v k h g l v r u g h u O r d h f x a u P h x u r e l r σ j | (2021) , 58 (7) : 3095-

3118 .

U k d u p d U , M a d J , N w e f 5 G v a f h o x a u C V R p h g l d v n

f d a f h u f h o p l j u d v r q d a g l a y d v r q v u r x j k l a f u d v h g

h { s h u v l r q r i f | f o r { j j h q d v h 2 . H u r q v h u w l a

R k d u p d f r σ j | (2021) , 11 : 617211 .

F x e h | T E , C a e p P D , T t e 5 p I T - 150 p h g l d v n g l a f u d v h l q

j o x r v h x s v a n h l q J K - l a i h f v n g f h o v , L O h g X l u o 2021

P r y ; 93 (11) : 6377 - 6382 . g r l : 10.1002 / r p y . 26755 .

l k l p l u h F , M E [x y u d m p l o l a q d W l r h o M P l v y V L , Y l a e V ,

T t e 5 C v l a j o h l 10 V s r o p p r u s k l v p l q J K - 1 v e v s h E

l d j U R I t h j x a v n v v h q v v v l v y l v w O d v u d v r q K q k l e l w u .

T h v r y l r σ j | . 2021 C s u 9 ; 18 (1) : 9 . g r l : 10.1186 / v 12977 -

021 - 00553 - 5 .

T d e l a q g u d M O . , K i d w V . H d a g T u " t ' e t - t z t t 3

V k h u p r v a e d h , v r o y h q w v x u d f v a q w u g x f l a j d j h a q w d a g

f k h a e u t h v l w a q w d o s k d - d p | a v h i u r p D a f l o x v w a d l q

K O V 108 : C v x l v d e h f d q g l g d v n h a d e d v r q h - v n h s

i h u p h a v a r q r i z d v n s r v a e v i r u k l j k e x v a d q r o d a g

k | g u r j h a s u r g x f v r q . Y d v n d a g D l r p d v X d o u j d v r q ,

2021 , 12 : 223 - 238 .

C a l n h d , O r w a n C . , T l g k l p d Y . , U d n v k l C . , C a d a q d O . , d a g

T u " t ' e t - t z t t 3 J l j k s u r g x f v r q r i V u d p h v n v

f l a q d e d u d a f f d v h (a l f 1) e | v x v s h a q g h d a g l p p r e l d | h g

f h o v r i u f r p e l a q d a w R l f k l d s d w r u l v i u r p f u x g h j o f f h u o

Y d v n d a g D l r p d v v X d o u j | d v r q , 2021 ,

F QK10.1007/v12649-021-01661-1.

Rduz hñq HT t eQ5qvij kwilqw vkhu dñri s dñr {r qdñv 2 lq kxp dq s dñr s k | vñ r s j | . Lr xuqdar i Dñr vf lñq fhv. 2021; 46:4. ROF : 34987135.

Rduz hñq H J r wñdq OU, Uqj k MR, T t eQ5Cwr f l dñr q ehvz hñq kxp dq s dñr {r qdñv 2 s r vñlq dqg hiilf dñr } r i dñr hñv f r d q h vñ vñ dñv l q k l e l vñ j g u x j v x v h g d j d l q v w C d k h l p h u f g l v h d v h . R N r U Q q h . 2021 Q f w 29; 16(10):h0258879. gr l: 10.1371/mx u d o s r q h . 0258879. ROF : 34714861

Ekdxeh| MM T t eQ3Uqj k UX, Dk dñd CM l x s vñ U, Mxp du P, T dñk r h CU, Uqj k O, Uñ s k h q DL & F k d p d M E s q l a j d a g h { s u h w r q r i f x o x u d o i l o v dñv s u r vñ l q v i u r p q r y h o d a g q d vñ y h w d l q v r i O | f r e d f vñ u x p d y l x p v x e v s h f l h v s d u d w e h u f x s v i v d a g v k h l u d s d f d v r q l q G N U C e d v h g v h u r - g l d j q r v l v r i L r k q h e g l v h d v h . K a g l d q L r x u q d o r i G s h u p h q v d ð r s j | X r o 58, C s u o 2021, s s . 219-229.

F h v z d o P , U k u y d w l y d C , J r w d l q O U , I d k f d q R D z d t , T t e Q d a g M x p d u T . F h v l j q , U q v k h l v , G y d x d v r q d a g O r dñ f x a u F r f n l a j U x g l h v r i P r y h o V u d j r dñ N a q n h g 1,4-F l k | g u r s | u g l q h - l v d l q U f d i i r e v d v R r vñ q v C q v f d a f h u C j h a w . L d q x d j 2021, E k h p l w d j U d ñ f v 6(4):717-725.

F d k l | d . R , J x w d l q , O g . , Z t w x 5 f 5 / 979805 p v r Q U K a g x f h g y l d V N T - 2 - U Q E G U j q d d a j R a d j v R u r d s r s w l f d a g D d f vñ u f l g d o T r dñ l q O | f r e d f vñ u x p i r u x l v x p - k i h f v h g J h d g M g q h | O d f u r s k d j h v r i E a l d v d j d u h s l q x v . S V 5 89DAEDBE5 QbVB75 : EF6y' 97985 DAEDBE VfaGCCA4 99A5

Mxp du O., Mxp du L, Ukdup d. U., J xwdlq, O g., C., Uk h a f . C., F d v . D , I d g d y . C . M , Z t w x 5 f 5 / 979805 V N T 22 - p h g l d v h g d f v l y d v r q r i V P H - f d v s d v h - 1 / K N 1 l q i a p p d v r d i l v d ñ d g v w d s r s w l v r i C h u r p r a d v k | g u r s k l a d - l q i h f v h g p d f u r s k d j h v . Z 5 V 5 Q " G 87B78C65 " 97985C59B V f a G 8 C 8 4 B E F 7 5

Ukdup d. U., Mxp du O., Mxp du L., Ulyd w l y d . P . , J x w d l q , O g . C . , U k h a f . C . , Z t w x 5 f 5 / 979805 O . i r u x l v x p - l a g x f h g E P U - s d v k r s j | : F h f l s k h u l a j v k h u r dñ r i f d a r q l f d o Y q w v l j q d d a j , e s r g e u d l q e d u l h u f r p s r q h a w d a g f | w n l q h v . Q x 5 P 5 V 5 Q " G 87B78C65 w " 97985 B 7 8 A 8 8 V f a G 8 A B 4 7 B k 5

F d k l | d . R , F d w l . F . , J x w d l q , O g . C . , X h u p d . I . , U k h a f . C . , O h k v d . R , Z t w x 5 f 5 / 979805 V k h f r r u g l q d v h g r x v r p h r i U M O 1 - Q u d 1 d a g w x s h u r | l g h v l j q d a d a j l v f u x f l d o i r u k h d g n l g a h | p d f u r s k d j h d s r s w l v d a g f d d u d a f h r i O | f r e d f vñ u x p i r u x l v x p . Q x 5 P 5 V 5 Q " G 87B78C65 w " 9797B7: E77 V f a G 7 8 A B 4

: 7Bk5

O h k v d . R , T d j . C . , Z t w x 5 f 5 / 979805 V N T v l q O | f r e d f vñ u d o R d v k r j h q h v l v : D a f n d a g Y k l vñ r u U k d g h v r i l u d j . / e x " x G P 5 Z " v u " 5 Q " G 87B77D6 779EA4 79849AE4 E V f a G : A: 4 E C B 8 5

P d j d u R , U k d u p d P , L d l q O , U k d u p d I , R u d v d g O , Z t y ' N 5 Q v R U M T 1 5 , d s k | w v x a r n l q h u h f s w u i u r p d f h h q k d a f h v d e v f l v f d f l g u h s r q v h d a g g u r x j k w w h w w h u d a f h . R k | v r d R a l q w 2021; 1-15.

T d l q d O , M x p d u C , [d g d y P , M x p d u U , [x v x i C , Z t y ' N 3 M x p d u F . U ð d O 2 , d f d f l x p e l a g l a j s u r vñ l q , d a h y l d vñ v q h j d v y h h i i h f w r i v d d a l v j d a g g u r x j k w w h w l a g w e d f f r . R a l q v O r dñ f x a u D ñ r s j | y r a p h 106, s d j h v 85 108 (2021).

C . R d v k d n , X . R d a q g h | , c ' t x 3 l e 3 X . F h y d u d rñ C . C a , M J d l g h u U . U d d g , T . R F h z d a j d a g , P . U g g l t x l , O . U k d k d u [d u R k d u p d f r s k r u h e d v h g g u x j g h v l j q d a g v j q v k h l v r i Q | l a g r dñ e h d u j k | e u d v d a v f d a f h u d j h a w . D ñ r u j d a l f E k h p l w d j 116 (2021) 105358.

H b l p d P d d j , H l l j C k p d g , D l a o C k p d g N r q h , C u i M k d q , M d d f k d u d q U k d u p d , K a v y d u C a , O U k d k d u [d u c ' t x 3 l e 3 U l h g U k d i l . C s r s w l v K a g x f l a j 1,3,4-Q { d g l d } r dñ E r q r a j d vñ v r i E d s v d l f l a : V k h l u K a X l v r C a q v s u r dñ h u d v y h d a g K a U d f r U x g l h v . C E U O h g l f l q d o E k h p l w d j N h w h u , 21 Q f v 2021, 12(11):1694-1702.

X l y h n R d a q g h | , C a n l v d R d v k d n , O r k d p d g U k d k d u [d u d a g c ' t x 3 l e 3 * , Æ C T U - E r X - 2 : O r dñ f x a u e l r s j | d a g v k h u d s h x w f v e l j h w , E r u r q d y l u x v h v (2021) 2: 1. k w s : / / g r l . r u j / 10.2174/2666796702666210225103821.

D k d w d u d l P , M x p e k d u C C , c ' t x l e 3 [d g d y R P . C q v f d a f h u s r vñ q v d o r i f r x p d u l d a g l w g h u y d v y h v . O l q l T h y O h g E k h p . 2021 C s u 5 . g r l : 10.2174 / 1389557521666210405160323. G s x e d k h d g r i s u l q w R O F : 33820507.

P d h a g u d M x p d u U q j k , U p u v U k u h w k d , P h u l q d U k d k l , T d y l q a g h u M x p d u E k r x g k d j , C a q s d C . M x p e k d u c ' t x 3 l e 3 * C a g R d u d P d v k [d g d y , G a k d a f h p h a w r i C a v f d a f h u C f v l y l v j Q i P (4) 1 - (2 - R) u g l d ð R l s h u d j l q l o 5 - P l v r l v d l q V k l r v h p l f d u e d j r q h Q q E k h a v r q z l v k E r s s h u (K) . C v l d q L r x u q d o r i E k h p l w d j ; X r o 33, P r . 3 (2021), 557-564. k w s : / / F r l . Q u j / 10.14233 / C r f k h p . 2021.23004.

G g u h v M k d q T d k p d v d g d , R u r i . R d u d P d v k [d g d y d a g c ' t x 3 l e 3 q k l e l v r q r i J h s l - 2 E h a v (N y h u E d a f h u E h a v N q h) X l d e l d v j e l 3 - J | g u r { | s | u g l q h - 2 E d u e r { d a g h k | g h P (4) - O h v k | a k l r v h p l f d u e d j r q h . K T C U D , U U P : 2349-8889 X r o x p h - 8 , K v v x h - 2 O d u f k 2021 . F Q K :

k w s : / / g r l . r u j / 10.31033 / l r a d v e . 8 . 2 . 1 1 .

P M U q j k , U U k u h w k d , P U k d k l , T M E k r x g k d j , C C M x p e k d u c ' t x 3 l e 3 R P [d g d y . C a v f d a f h u s r vñ q v d o r i P (40 v x e v l w x v h g 5 - q l v r l v d l q v k l r v h p l f d u e d j r q h v d a g v k h l u f r s s h u (K) f r p s dñ { h v . T d v l d a g L E k h p . , 14(3), 1600-1610(2021).

M l a x q l U M M k d a d o N P , U k d u p d M T , c ' t x 3 l e 5 C a Q y h u y l h z r a g C a v f d a f h u C f v l y l v j r i U r p h O h g l f l q d o R a l q w r i J l p d a l d a g T h j l r q . K l E . X r a p h 6 (2) , 64-77, 2020.

M k d a d o N P , c ' t x 3 l e 3 U k d u p d M M l a x q l U M R a l q w F h u y h g U h r r a g d j O h v a l e r d vñ v d v R r vñ q v d o O h g l d w u d j d l q w E Q X I F - 19 : C T h y l h z . R u l k y l C f d g h p l f L r x u q d o 1-18. F Q K k w s : / / g r l . r u j / 10.3126 / s d n y 3 1 1 . 3 1 2 8 2 .

P h u l q d U k d k l , X l y h n R d a q g h | , C a n l v d R d v k d n , T d p U x a g g d u V k d s d , R u d e l q d R r n k u h o c ' t x 3 l e 3 R d u d P d v k [d g d y . C a v f d a f h u s r vñ q v d o r i 3 - k | g u r { | s | u l g l q h - 2 - f d u e r { d o g h k | g h P (4) - p h w k | o d a g s | u r d g l q | a k l r v h p l f d u e d j r q h v d a g v k h l u j q (K) f r p s dñ { h v l a g l i i h u h q w f d a f h u y l d v e l j h v l a j O C R M v x s h u d p l q v l j q d d a j s d v k z d l v . T h w x o v l a E k h p l w d j , X r o x p h 3 , 2 0 2 1 , 1 0 0 1 0 4 , k w s : / / g r l . r u j / 10.1016 / n a h f k h p . 2021.100104.

D v k w l . , D k d w l f k d j | d C . , U k u y d w l y d C . d a g f t x t c 5 C a r y h u y l h z r i v k h p h g l f l q d o l p s r u a d a w s a d q w l y s h K R M U g h u y h g s r dñ h v l g h v . H u r q v h u l a q R a l q w U f l h a q h 12:746908. g r l : 10.3389 / i s a . 2021.746908, Q f w e h u 2021

D k d u z d m F . d a g f t x t 3 e 5 X 5 / 97980 R r dñ - g l v s h u w h g - d f l g - i x q f v r q d d j h g - v l a j dñ - z d a h g f d u e r q q d a r v a e h v (C H U Y E P V v) d u h s r vñ q v l a k l e l w u r i D E I l a g x f h g l q i a p p d w l u h s r q v h l a p d f u r s k d j h v . V y t t " F Q K 10.1007/v10753-020-01386-8

D d e x O l d , O g . C a g f t x t 3 e 5 X 5 / 97980 R r dñ - g l v s h u w h g v l a j dñ - z d a h g f d u e r q q d a r v a e h v l a g x f h f | w w { l f l v j l a e r q h p d u r z g h u y h g J h p d w s r l h w f U h p d a g R u r j h q l w u E h a v d a g p r g x a v h v k h l u f | w n l q h g u l y h a g l i i h u h q v d v r q w l p p x q h f h a v . P x e x 5 g " v z 2,82-92

D h k h u d , U R d a g f t x t 3 e 5 X 5 / 97980 P d a r g l d p r a g v l a k l e l v v k h v f a d v k z r x a g k h d d a j s u r f h w l a N a j G s l v k h d o E h a v O r a d j h u e l l a k l e l v a j f h a s u r d i h u d v r q d a g p l j u d v r q . g " v z Y x x 341,83-93

X x x N w w x x t w V " x w g t

N w 3 e 5 5 5 Q r j h q r x v C V R p r g x a v h v p l f u r j d o d f v l y d v r q v k u r x j k v x w d l q h g f | f o r { | j h a d v h 2 (E Q Z - 2) v j q v k h l v , 39v k C a q x d o O h h v l a j r i K a g l d a C f d g h p | r i P h u r v f l h a q h v (y l u x d a) , K a g l d a K a v l w x v h r i U f l h a q h ,

G g x f d v r q d a g T h v h d f k (K U G T) , M r a d d v d (18 F h f 2021)

N w 3 e 5 5 5 Q r j h q r x v C V R p r g x a v h v p l j u d v r q d a g l a y d v r q r i v k h k x p d a g q h x u e a v w p d f h a d a q h , I O T - 32, v k u r x j k l a f u h d v h g h f s u h w r q r i f | f o r { | j h a d v h 2 , 35v k C a q x d o E r q i h u h a q h r i v k h U r f l h v j i r u P h x u f k h p l w d j K a g l d (y l u x d a) , W a l y h u l v j r i J | g h u d e d g , K a g l d (03 F h f 2021)

T t 3 e 5 5 k h K a y l v e dñ Y r u a g r i X l u x v h v . L d z d k d u a o P h k u x W a l y h u l v j , P h z F h a k l , H e 24, 2021.

T t 3 e 5 5 5 Q r j h q r x v C V R p r g x a v h v p l v k h u d s h x w f O r q r f o r q d o C a v l e r g l ' Q a d a q T h i u h v k h u E r x u h l a D r vñ f k a r s j | r u j d a j | h g e l J x p d a g T h v r x u f h F h y h o s p h a w E h a q w h , R w T d y l v d a d n d u U k x n a d W a l y h u l v j , T d l s x u E l . (13 F h f 2021).

Z t w x 3 f 5 5 Q r p x q l v j d a g y d f l q h v . U r a v l r q v d a g s u r e d n p v . Q u j d a j | h g e l C a d a g d u d P F h n k l d o R k r r n d a g E r a h j h W a g h u v k h d h j l v r i F D V U a u E r a h j h R u r j u d p . P d j d r q , C w d p . 15.11.2021.

Z t w x 3 f 5 5 Q r p x q h g l y h u l v j : V z r v l g h v r i d f r l q . Q u j d a j | h g e l T d p r a v E r a h j h , W a l y h u l v j r i F h a k l . 25.09.2021.

Z t y ' 3 N 5 5 Q r s o d a j v k h T r dñ r i R k | w v x o r n l q h T h f h s w u M a d v l a q T h v s r q v h w C e l r v l f U a h w l a q R a l q w d v 42 a g C a q x d o O h h v l a j r i R a l q w W l w x h E x o x u h C w r f l d v r q (K a g l d) & K a v h u d v r q d o U p s r v l x p r a g C y d a q f h l a q R a l q w D r vñ f k a r s j | d a g l h a r p h G g l v a j - 2021 (C s e j h - 2021) r q 08 C s u o 2021.

f t x t 3 c 5 5 Q r y l v h g N d g U s h d n h u C O r dñ f x a u H h i l e l d v j r i V j s h K R R dñ h v l g h U j q v k d v h l a q O | f r e d f vñ u x p p d u l a p , 2 a g K a v h u d v r q d o h - E r q i h u h a q h r a g C y d a q f h l a q C j u f x a x u h , Vñ f k a r s j | d a g C a d h g U f l h a q h v i r u U x w a l l q d e dñ F h y h o s p h a w (U G U - I G J W - 2021) , 9 - 10 Q f w e h u 2021.

ct x c x x xwt wYxv x Qx " x xw

N w 3 e 5 5 5 Q r j h q r x v C V R p r g x a v h v s u r v e l j a d a g l a G 2 v j q v k h l v l a q d f v l y d v h g l p p x q h f h a v , 54v k C a q x d o O h h v l a j r i v k h U r f l h v j i r u N h x r f | vñ D ñ r s j | (y l u x d a) , W U C (15 Q f v 2021)

I k l p l u h F , [x y u d n M E , V l p l o l q d W l r h o M P l v j V L , Y l a g E V & T t e 5 R dñ p r u s k l v p d w l K l d j U R 1 u h v l g x h 10 h j x a v h v v h q v l y l v j r i J K - 1 v x e l y s h E w O d v a d v r q K a k l e l w u . T h v r y l u x v h v 2021, E r a g U s l a j J d u e r u N e l v , W U C O d j 20-24, 2021

T u " t ' e 5 5 Q E r q v r d g d v h g e l r s u r f h v l a j i r u e l r k | g u r j h a s u r g x f v r q i u r p d j r - u h v l g x h v e l x v l a j E s w a l g l x p w l 117 . K a v h u d v r q d o E r q i h u h a q h r a g

Dir vñf kq r ø j | ir u Uxwllqde dñ CJ uf xoxth, Gqylur qp hqw dqq J hdotk (DUCGJ -2021) khøg dw Odøtj | d P dñr qdo Kqvwxvñ r i Vñf kq r ø j | -Ldl s x u 4-8 Cs uo 2021.

Ukdup d, U, Mkp du O., Mkp du L, **Z t vx 3f 5** Hvk lqj Vkur x j k Vkh Kqgdñ F hihqvñ Uj vñp : G s o uaj VNT 22 Hx qf vñ r qlaj Kq Chur p r qdv k | gur s klød -Kqgxfhg Rðvkr j hqhvlv 6vk Cq qdo Kqvñuqdvñr qdo Er qihuhqf h r i Kqgdq Phvz r un ir u Ur lo Er qvøp lqdvñ r q Thvñdñk (R UET), Pryhp ehu 15-18. 2021.

Ulyd wødyd, P. dqq **Z t vx 3f 5** Cq qv r p dohv d s h r i Chur p r qdv k | gur s klød : d wvñh j | ir u lw vx u lydolq vkh kr w w erg | . 9vk Y r uøg Er qj thw r q Olfur elr ø j | & Kqihf vñ r xv F l v h dñv, Xl hq qd Cx w l d, Pryhp ehu 08-09, 2021.

Ukdup d, U, Mkp du O., Mkp du L, **Z t vx 3f 5** Å r ð r i Y q w -f d vñ q lq U j q d o a j l q O. ir u x l v x p -Kqgxfhg EPU Rðvkr ø j | . Kqvñuqdvñr qdo Er ø t x l x p r q Thj x ø w u j O h f k d l v p v Wq g h u d l q j D h k d y l r x u R k | v i r ø j | d q q F y h ø s p h q w Wq y h u l v y r i F h k l, F h k l -110007. O d u f k 24-26, 2021.

F d k l | d, R d q q **Z t vx 3f 5** U. Å M O 1-Qudl 1 v j q d o a j f d v d q } h V N T -2-G T -w w h w d { l v l q g x f h g J M O d s r s w v l v l q O. ir u x l v x p s d v k r j h q h v l v . 61 w w C q q x d o K q v n u q d v n r q d o Er qihuhqf h r i Vkh Cw r f l d v r q r i O l f u r e l r ø j l w r i K q g l d d q q K q g l d q Phvz r un ir u Ur lo Er qvøp lqdvñ r q Thvñdñk (R UET) l q d v r f l d v r q z l v k Vkh G q h u j | d q q Thv x u f h v K q v n u x v n (V G T K , W q y h u l v y r i F h k l (F W), K q g l d q C j u f x o x u d o Thvñdñk K q v n u x v n (I C T K) d a g K q g l d q P d v n r q d o U f l h q f h C f d g h p | (R U C), H e u d j 01-05, 2021.

Yxv x yfv t ' x Stv ð xv't Yxv x

f 5a 5	Qt x	f u-xv g "v	f xt x at x "' Nyy"t "
1	01.10.2021	Nih lq d X d f x r ð	Rur i. F l s v k l n k d E k d n u d y r u w y , H P C , H P C U f . , H C U f F h s d u p h q w r i O l f u r e l r ø j d q q E h o d r ø j , K q g l d q K q v n u x v n r i U f l h q f h , D d a j d ø u h , K q g l d .
2	10.09.2021	Thylvñlaj C. k gur s klød s d v k r j h q h v l v y l d vkh VNT-22 ur xvñ	Rur i. U k l e q d v k O d j x p g h u H ð f x ø y r i N i h U f l h q f h v d a g D i r v ñ f k q r ø j , U C W P h z F h k l
3	26.08.2021	p l f u r T P C d w k h J h d u r i F l d e h v n v	F u R d u v M k p d u O l v k u d , C w r f l d v n R u r i h w r u F h s d u p h q w r i E h o ø l u d a g K q v n j u d v y h R k v i r ø j , W q y h u l v y r i P d e u v n d O h g l f d o E h q v n u Q p d k d , W U C

N ' x tvtwx 'vtv' x x x

ct x G e" Q5T t 3 Cq l p hvk U d l n h u C e k l v k h n U T d v k r h u C q C q v l e r g | r u C q C q v j h q D l q g l a j H u j p h q w V k h u r i C j d l q w F h a j x h K q g l d q s d v h q w C s s d f d w r q P r . : 2021 11017607 i l d n g r q 15 v k C s u o 2021 .

c "' ft x t G Thfr p el q d q w X h f w u C q g U w d l q v ir u D i r v | q v k h v l v r i O x ø l p h v k | ø v h g O r d n f x d v n , R C P r . : 2021 11060746 , R u r y l v r q d o i l d a j : 24.12.2021, K q y h q w u : U d { h a d , R d a g l l u , l . T . C s s d f d q w U C W

Z t vx 3 f G K q y l v h g d v y l v l a j i d f x ø y l q F h s w r i D i r v ñ f k q r ø j | (l r y w r i K q g l d) v s r q v r u h g O . U f . O h g l f d o D i r v ñ f k q r ø j | R u r j u d p w v ñ d f k v k h f r x u h C g y d q f h g V n f k q l t x h v l q k p x q r ø j | ' l q F h s w r i G s h u p h q v o d O h g l f l q h & D i r v ñ f k q r ø j | , R I K O G T , E k d a g l j d u k , 22.09.2021 w 13.10.2021 .

Z ty' 3 NS " G ø f l g d v l a j v k h T r ð r i R k | w x ø r n l q h T h f h s w u M a q d v h l q R ø l q w C e l r v f U u h w U j q d d a j " d w E C T - P d v n r q d o K q v n u x v n i r u R ø l q w D i r v ñ f k q r ø j | (H u p h u d I E C T - P T E R D) I C T K E d p s x v , R x v d , P h z F h k l -110012, K q g l d , 13 C s u o 2021 .

Z ty' 3 NS Å h q h w f h a j l q h h u a j d s d f d v r q w f k d u d v n u } h d j h q h l q s ø l q w l q Å d a g v - r q w d l q l a j r q O r d n f x ø u D i r ø j | d a g v k h e d v f v r i D i r l a q r u p d v f v d v D T T K , d w D a j a g h v k T i f h Thvñdñk K q v n u x v n (D T T K , D d a j a g h v k , 23 C x j x w) 2021 .

ft x t c S Q u j d a j l a j U h f u h v e l j , 5 v k K q v n u q d v n r q d o Er qihuhqf h r q K q q r y d v y h C s s d f k h v l q C s s d h g U f l h q f h v d a g V n f k q r ø j l h v (I E I C w -2021) , 3 -5 F h f h p e h u 2021 .

f wx Nv' x x x

Z 5St" N' tw (UCW/DIQ(R)/2014/07) iur p H ð f x ø y r i N i h U f l h q f h v d a g D i r v ñ f k q r ø j | d s s h d u h g l q v k h y l y d y r f h h { d p l a d v n r q i r u F r f w u r i R k l ø v r s k | r q 17 v k H e u d j 2021 i r u v k h v k h v l v , v w ø g Å r y h o U j q v k h v f d v n p l v l q g h u y d v y h v (P U C F v) d v s r v h q v l d o f d a f h u f k h p r v k h u d s h x v l f d j h q w : U f u h q l a j d a g i x q f v r q d o d a d d ø v l v l q y l w x q g h u v k h v x s h u y l v r q r i F u [x e d T a n R r n k d u h o d a g k d v e h h q g h f ø l h g v x f f h w i x o

Z w50t u Z 't (UCW/DIQ(R)/2016/02) iur p H ð f x ø y r i N i h U f l h q f h v d a g D i r v ñ f k q r ø j | d s s h d u h g l q v k h y l y d y r f h h { d p l a d v n r q i r u F r f w u r i R k l ø v r s k | r q 30 v k L x ø 2021 i r u v k h v k h v l v , v w ø g Å r y h u d f v r q v r i f d u e r q q d q r v ø e h v z l v k g l i i h u h q w v y s h v r i ð n x r f | v n g x u l a j r q w j h q h v l v d a g d f v y d v n r q x q g h u v k h v x s h u y l v r q r i R u r i . T d r i y M U v k q d U d { h a d d a g k d v e h h q g h f ø l h g v x f f h w i x o

Z 5Q"u t T' " "x (UCW/DIQ(R)/2015/07) iur p H ð f x ø y r i N i h U f l h q f h v d a g D i r v ñ f k q r ø j | d s s h d u h g l q v k h y l y d y r f h h { d p l a d v n r q i r u F r f w u r i R k l ø v r s k | r q 28 v k L x ø 2021 i r u v k h v k h v l v , v w ø g Å l x g l h v r q q r y h o v f r q g - j h q h u d v r q J K O d v x u d v r q l a k l e l w u d j d l q w J K -1 U k e v y s h D C a g E x q g h u v k h v x s h u y l v r q r i R u r i . T l v x l d u d a g k d v e h h q g h f ø l h g v x f f h w i x o

Z w5 f U t" (UCW/DIQ(R)/2015/08) iur p H ð f x ø y r i N i h U f l h q f h v d a g D i r v ñ f k q r ø j | d s s h d u h g l q v k h y l y d y r f h h { d p l a d v n r q i r u F r f w u r i R k l ø v r s k | r q 10 v k P r y h p e h u 2021 i r u v k h v k h v l v , v w ø g Å l x g l h v r q d N r a j C f v l a j T h f r p e l q d q w D x i i d ø R l v x l v e l j H r ø l f d i U p x ø l v a j J r u p r q h x q g h u v k h v x s h u y l v r q r i F u T l q n r r F y h l l x s v d d a g k d v e h h q g h f ø l h g v x f f h w i x o

X "" t et-5 Thf l s l h q w r i v k h P d v n r q d o R r w ø r f w u d o H h ø z v k l s (P R F H) , U f l h q f h d a g G a j l q h h u a j T h v ñ d f k D r d u g (U G T D) , l r y h u a p h q w r i K q g l d , i r u v k h s u r r h f w Å r y h w l j d v l a j v k h u r ð r i l a v x d a g u h f h s w u v l j q d o a j l q q h x u s u r v ñ f v r q d j d l q w s r ø (S) g l v r u g h u (O h q w u T d y l C n x a g l) , 2019-2021 , R T 22.36 ø l n k .

f' t t f 3N w'ef (2021) . Å r v d f h o x ø u C V R l q l v d v n v v k h l q i ø l p p d v u j s d v k r s k | v i r ø j | r i f d a q h u p h v d v v l v . Q u d o R u h v h q v d v r q d w k h 3 u g P d v n r q d o D i r p h g l f d o T h v ñ d f k E r p s h v n r q , U r f l h v y r i [r x a j D i r p h g l f d o U f l h q v l w v , K q g l d .

N t ' t W" 3 G h v k l v k d F . , O g . G e u d k l p M k d d ø d a g l r e l q d v k T d r a j r s d ø l q , D i r k | g u r j h q s u r g x f v r q i u r p E ø w d g l x p x v l a j f u x g h j ø f h u o d v d v x e w d v n . 5 v k K q v n u q d v n r q d o Er qihuhqf h D i r h q h u j | , G a y l u r q p h q w d a g U x w d l q d e d v ñ f k q r ø j l h v (D G U -2021) k h ø g d v E k h a q d l , 29-

30 L d a x d j 2021 .

etu" wt Z t' t d a g l r e l q d v k T d r a j r s d ø l q , D i r e x v d q r o d a g e l r k | g u r j h q s u r g x f v r q i u r p z d v n s r v d v h v e l v l p x o ø l q r x v D a f l ø x v d ø k d d p | ø v h v d f f k d u i l f d v n r q d a g f ø w d g l d o i h u p h q v d v r q . K q v n u q d v n r q d o Er qihuhqf h r q D i r v ñ f k q r ø j | i r u U x w d l q d e d ñ C j u f x o x t h , G a y l u r q p h q w d a g J h d o k (D U C G J -2021) k h ø g d w O d ø t j | d P d v n r q d o K q v n u x v n r i V n f k q r ø j | -L d l s x u 4 -8 C s u o 2021 .

Z w5 Ru t' " X' t " 3 T d e l a g u d O d k d w d a g l r e l q d v k T d r a j r s d ø l q , D i r f r a y h u r q r i i u l v z d v n w e l r k | g u r j h q e l E ø w d g l x p w d l q D Q J 3 . K q v n u q d v n r q d o Er qihuhqf h r q D i r v ñ f k q r ø j | i r u U x w d l q d e d ñ C j u f x o x t h , G a y l u r q p h q w d a g J h d o k (D U C G J -2021) k h ø g d w O d ø t j | d P d v n r q d o K q v n u x v n r i V n f k q r ø j | -L d l s x u 4 -8 C s u o 2021 .

N " x O' t t v' t t d a g l r e l q d v k T d r a j r s d ø l q , J h v n u ø j r x v h { s h w l v r q r i V u d p h v n v f l a q d e d u d q ø l f d v n i u r p R l f k l d s d w u v . K q v n u q d v n r q d o Er qihuhqf h r q D i r v ñ f k q r ø j | i r u U x w d l q d e d ñ C j u f x o x t h , G a y l u r q p h q w d a g J h d o k (D U C G J -2021) k h ø g d w O d ø t j | d P d v n r q d o K q v n u x v n r i V n f k q r ø j | -L d l s x u 4 -8 C s u o 2021 .

N " x O' t t v' t t d a g l r e l q d v k T d r a j r s d ø l q , J l j k - d y h o ø l f d v n s u r g x f v r q i u r p R l f k l d s d w u v r u l a g g x w u d o d s s d f d w r q v . C H Q D O d ø l v l d - f k d s v n u K q v n u q d v n r q d o U j p s r v l x p 2021 , 22 -23 U h s v n p e h u 2021 .

Z w5 Ru t' " X' t " 3 d a g l r e l q d v k T d r a j r s d ø l q , D i r k | g u r j h q s u r g x f v r q i u r p f u x g h j ø f h u o e l E ø w d g l x p w d l q . C H Q D O d ø l v l d - f k d s v n u K q v n u q d v n r q d o U j p s r v l x p 2021 , 22 -23 U h s v n p e h u 2021 .

ct xx S3 J r w d l q O U , U a j k M R , l x s v ø l T F . R r w h u s u h v h q v d v r q r q C v r f l d w r q e h v z h h q k x p d q s d u d r { r a d v h 2 s u r w h l q d a g h i i l f d f | r i d f h y ø f k r d a q h v n u d v h l a k l e l w u g u j v x v h g d j d l q w W C ø k h l p h u g l v h d v h , X l u x d o U j p s r v l x p r y d q l } h g e l V k h R u r w h l q U r f l h w j i u r p 7 w 14 L x d , 2021 (z z z . s u v n l q v r f l h v y . r u j) .



**Faculty of Mathematics &
Computer Science**

Department of Computer Science

Faculty of Mathematics and Computer Science

Vkh Fhs dwp hqwr i Er p s xvhu Uf lhqfh, hwale dvk hg e| vkh Wqlyhuivly lq 2010, lvr qh r i vkh p r wyle udq wghs dwp hqwr i vkh Hdf xol r i O dvkhp dmf v d q Er p s xvhu Uf lhqfh. Vkh ghs dwp hqwr lq vkh lvr vndf klaj df vlylvhv vkr xj k ds r vw j udgx dvh sur j ud p h lq Er p s xvhu Uf lhqfh lq 2010, d qg adhu lwwvduhg RkF sur j ud p h lq Er p s xvhu Uf lhqfh lq 2013. H u hdf k sur j ud p h, vkh ghs dwp hqwr i vkh xqlt xh xs-w-gdv f xulfx xp z lvk vkh dlp w ht xls vkh vxghqwr z lvk vkr h vlf dodqg d qd q vlf downlav dv z h o d v vkr xj k nqr z d g j h d q g h f s h u l v h l q v k h a d h v w v a d h r i v k h d u w v n f k a l t x h v l q K, v r v k d w v k h | f r x a g z r u n f r p s h v h q v d l q g l y h u h d h d v.

Mhs lq j lq p lq g v k d w v k h x q l y h u i v l y g h s d w p h q w k d y h v k h l u r z q u h v r q v l e d v l y w e d a j r x w v n l a h g d a g f r p s h v h q w s u r i h v l r q d a r w i d f h j a e d o f k d a h a j h v z l v k v k h q h z l q v j k w r i s u r e d h p - v r o l a j d e l o v h v, v k h F h s d w p h q w r i E r p s x v h u U f l h q f h, d g p l w l a j v a x g h q w i u r p d a e U C T E q d v l r q v, l v u h a g h u d a j v x f k d a l p s r u a d a q u h v r q v l e d v l y e l s u r g x f l a j E r p s x v h u U f l h q f h s u r i h v l r q d a r f r p s h v h q w h q r x j k w i x a l a v k h l a g x w v d o d a g u h v d u f k q h g v r i v k h U C T E q d v l r q v. V k h p l w l r q r i s u r g x f l a j d e d h d a g f r p s h v h q w E r p s x v h u U f l h q f h s u r i h v l r q d a r l q v k h g h s d w p h q w l v e h l a j d f k l h y h g g x h w v k h l a y r o h p h q w r i k l j k f g h g l f d v h g d a g f r p s h v h q w i d f x o l y p h p e h w. Y h d u h f r q v l a x r x v d s u r j u h v l a j | h d u d i v h u l h d u d v z h d u h v l a f h u h d f r p p l w h g v r z d u g v k h j r d o r i s u r p r v l a j q r w r q d v k h g h s d w p h q w e x w d a r v k h l a q v l w v l r q d v d z k r d h. Q x u v a x g h q w k d y h e h q d e d h w p d n h d p d n i r u v k h p v h o y h v e l v k h l u v h u y l f h v r i i h u h g l q g l i i h u h q w s d u w r i v k h z r u a g r q e h k d a r i v k h l u q d v l r q.

Vr v a h a j v k h q u h v d u f k d f v l y l v h v r i v k h x q l y h u i v l y, v k h g h s d w p h q w k a d l a q v l w x v h g F r f w u r i R k l a v r s k | s u r j u d p h z l v k d a g h d u d h f l w r s v l r q z l v k O. R k l o F h j u h. V r f u d h v d a g d s s u r s u d a h h f s h u l p h q v a d o v h v x s i r u v k h s u r s r v h g g r f w u d o u h v d u f k s u r j u d p h d a g v k h h f l w l a j p d v h u e v a x g h q w h q v h u l a j l a w v k h l u v k h v l v f r p s r q h q w v k h g h s d w p h q w k a d i r u p x a d v h g d f r p s u k h q v l y h a e r u d v l s a d a z l v k r q h j h q h u d e s x u s r v h f r p s x v l a j a e r u d v l d a g v h y h q v s h f l d d h g a e r u d v l u h, l a f a g l a j J d u g z d u h & F l j l v a d o U l w h p v N d e, C g y d a f h g C a d d v l f v & E | e h u U h f x u l y N d e, T h d e V l p h U l w h p v N d e, O d f k l a q

Nhduqlaj Nde, Y l u d h v P h v z r u n v & O r e l d h E r p s x v l a j N d e, K a v h a d j h q w U l w h p v & V h f w C a d d v l f v N d e, d a g E r p s x v l r q d d k a v h a j h a f h N d e.







f w x t w " x w t w v 4 " x u x t 4
a t x y c z t x G' 5 f v 5 P x f v' x v x
O t v 798

Cij kdqlwala	8	Odaglyhv	0
Ddaj aeghvk	2	P h s d o	1
Dkxvala	2	Rdnlwala	2
Kqgld	12	U l N d a n d	0
Qvkhur	0		

a t x y c z t x G' Q P x f v' x v x
O t v 798

Cij kdqlwala	3	Odaglyhv	0
Ddaj aeghvk	4	P h s d o	7
Dkxvala	0	Rdnlwala	0
Kqgld	22	U l N d a n d	0
Qvkhur	0		

Qx t" yStv Z x ux

	a t x	c' Q Ny " t " - l x t	Qx " z t "	N x t y f x v' t " t " d l x x
	Rudqde M Oxkxul	Kqgldq Kqvwlvv h r i V h f k q r o j (D J W), Kqgld, 2005	Rur ihwr u & F h d q	E r p s x v l r q d d k a v h a j h a f h, H k } } U l w h p v, G y r a v l r q d l C o r u l k p v, T h d e V l p h U l w h p v
	Oxkdp p dg Cexalvk	Kqgldq Kqvwlvv h r i V h f k q r o j F h k l, Kqgld, 2007	Cwr f l d v h Rur ihwr u (U)	F d v d C a d d v l f v d a g O l a l a j, O d f k l a h N h d u l a j, P h v z r u n C a d d v l v
	Thvkp d Tdwr j l (qhh Mkhp fkdqgdq)	Kqgldq Kqvwlvv h r i V h f k q r o j F h k l, Kqgld, 2008	Cwlwalaq Rur ihwr u	O d f k l a h N h d u l a j, Q s v l p l j d v l r q, U k s s r u a x h f w u O d f k l a h, E r p s x v h u X l v l r q
	Cp lwdqduh	P d v l r q d o v l a j - J x d W a l y h u i v l y, V d l z d a, 2009	Cwlwalaq Rur ihwr u	F l w d e x v h g U l w h p v, E a x g E r p s x v l a j, K a v h u h w r i - V k l a j v, D a r n f k d l a j P h v z r u n U h f x u l y
	Dlm Ekdaq Ekdwuhh	V h s x u W a l y h u i v l y, C w d p, K q g l d, 2014	Cwlwalaq Rur ihwr u d a g F U W K q v l u h H d f x o l y	Q s v l f d a q h v z r u n v, S r U - d z d u h s u r w f r a, Q s v l p l j d v l r q, T r x v l a j
	Ukdfkl Ukdup d	L d z d k d u a d P h k u x W a l y h u i v l y, P h z F h k l, K q g l d, 2007	Cwlwalaq Rur ihwr u	K a v h u h w r i V k l a j v (K V), D a r n f k d l a j, R h u r u p d a f h p r g h d a j r i f r p p x q l f d v l r q q h v z r u n v

N t w d l f x v' t e x v z " "

Z ' " z t t u X 5 G

Z x u x 3 R w " t O t w B C s s d h g U r i w E r p s x v l a j, G a h y l h u U f l h q f h.

Z x u x 3 R w " t O t w B G a j l a h h u l a j C s s d f d v l r q v r i C u l l f l d d k a v h a j h a f h, G a h y l h u U f l h q f h.

T x R w " 3 U s h f l d o l v x h r a q G p h j l a j K v x h v d a g C s s d f d v l r q v r i V | s h - 2 H k } } | U h w d a g U l w h p v, K a v h u h w r i q d d r x u a d a r i H k } } | U l w h p v (2021), U s u l a q v h u

O h p e h u C g y l v u l R d a h o K a v h u h w r i q d o E r q i h u h a f h r a q U x w a l q d e d h F h y h a s p h a q l a q V h f k q r o j | i r u 4 v k K a g x w v d o T h y r a v l r q (H E U F V R T - 2021), E k l w a j r a j, D d a j a e g h v k.

Nu t " ' 3 Z 5

E k d l u h g d v n f k a l f d o v h v l r q d w k h v k h 20 v k I G G G / Y I E / C E O

K a v h u h w r i q d o E r q i h u h a f h r a q Y h e K a v h a j h a f h d a g K a v h a j h a q w C j h a q V h f k q r o j | (Y K I C V @ 1), O h a e r x u a h, C x w a d d, F h f. 14-17, 2021.

O h p e h u D r d u g r i U a x g l h v (F h s d w p h q w r i E r p s x v h u G a j l a h h u l a j, J d n l u J x v d l a j E r a h j h r i G a j l a h h u l a j & V h f k q r o j |), C o j d u k O x v a p W a l y h u i v l y, C o j d u k.

O h p e h u D r d u g r i U a x g l h v (E r p s x v h u U f l h q f h d a g C s s d f d v l r q v), U w C a | v l x v E r a h j h (C x w a q p r x v), L d e d a s x u

C w r f l d v h G g l w u U r f l d o P h v z r u n C a d d v l v d a g O l a l a j, U s u l a j h u

e t z' 3 e 5

U h v l r q E k d l u r i O d f k l a h K a v h a j h a f h l a J h d a k K a j r u p d m f v d v O K U R 2021.

K a y l v h g U s h d n h u r q C o d f k l a h N h d u l a j & Q s v l p l j d v l r q " d v

z r unvkr s fr qgxvng e| KKV Cœlk dedg, 2021.

P' t x -xx30P5

KGVG Dlj O NCqdqg Cz dug H 2021.

IPUC XlMlqj Uf lhqvw Cz dug H 2021-2022 dgg ylvng C. M Ek r xgkxj Uf kr r or i Kqir up dvr q Vhf kqr j |, Eddxwld Wqlyhuwlj, Kqgldir uk h p r qv r i F hf hp ehj 2021.

Uhdv ng dv Hæ z ri vkh Kqvwv r q ri Gdf vr qlf v dgg Vhdv r p p xqlf dvr qv Gaj lqhhu (KGVG), Kqgld, lq O du 2021.

Cgræq v Rur ihvr udw Kqguds udwkd Kqvwv r i Kqir up dvr q Vhf kqr j | F hkl (KVF), Phz F hkl.

f' t t3f5

Uhwlr q Ekdlu ri VTCEM D2: Rr z hu Gqhj | dgg Rr z hu Gdf vr qlf v /Er qvr o Kqvwv p hqv r q dgg Cxw p dvr q dw 6vk Kqvwv qdo Er qihuhqf h r q Er qyhj hqf h ri Vhf kqr j | (RzEV) vs r qvr uhg e| KGGG 2-4 Cs uo 2021.

T t t wSx " v yx xw x ux y ' xStv

P' t x -xx3 0P5 Gijf lhqw uhv r xuf h dæ f dvr q ir u vs hf v dæ -vs dvdæ hælwf r s vlf doqhvr r unv, Er uh Thvdvk l udqw Uf lhqf h dgg Gaj lqhhu Thvdvk Dr dug (UGTD), l r ywr i Kqgld, 2021 w 2023, 48, 14, 172 IPT.

Eklihi-lqyhwlj dvw u (EK): Udud, P., **P' t x -xx30P5** dgg Cp lq, T., F hyhæ s p hqr i vhf xuhg dgg uhdv h vs hf v p dæ f dvr q vfkhp hv ir u qh{ wj hqhu r q hælwf r s vlf do qhv r unv, Olqlwjl ri Gdf vr qlf v & K (Ohlvj), T&F lq EE&DVI urxs, l r ywr i Kqgld, 2021 w 2023, 86, 63, 952 IPT, Kp s dhp hqvlaj dj hqf |: Vh} s x u Wqlyhuwlj, Cwvp , Ur xvk Cvldq Wqlyhuwlj, Phz F hkl, dgg Fu URO Kqvwv qdo Kqvwv r i Kqir up dvr q Vhf kqr j |, P d l dTds x u

P' t x -xx30P5 F hvlj q r i p xæ r erhf vlyhv hælwf -ylux do r s vlf do qhv r unv ir u klj k-vs hng fr p p xqlf dvr q, F UV Kqvlh, 2017-2023, 35 Nænk v.

P' t x -xx30P5 dgg Qnl, G, Us hf vxp ghiudj p hqv r q p dgdj hp hqvlq hælwf r s vlf doqhvr r unv xvlaj p df klqh dnduqlaj , Kqgr -Lds dq fr æler uvlv s ur r hf w F UV-LURU, (M) r w Wqlyhuwlj, Lds dq vlgh, 2020 w 2022, IPT: 6,60,000 ænk v (Kqgldq Ugh) + LR[: 2,000,000 | hq (Lds dq Ugh).

Rw' "t 6ex "x " z t w exyx xx" z N " x

Z ' "æ t tuX5G

Rw' "t O t w Z x ux 3 Cs s dhg Ur iw Er p s xvlaj , Gøhylhu Uf lhqf h.

Rw' "t O t w Z x ux 3 Gaj lqhhu lqj Cs s dfv r qv r i Cwlilf ldd qv h d hqf h, Gøhylhu Uf lhqf h.

T x Rw' 3 Us hf ldo lw x h r q Gp hj lqj Kvxhv dgg Cs s dfv r qv r i V | s h -2 Hk} | Uhw dgg Uj wnhp v, Kqvwv qdo Lr xudor i Hk} | Uj wnhp v (2021), Us daj hu

Thylhz hu Vudqvdf vlr qv r q Cuf klv h f vx uh dgg Er gh Qs vlp l} dvr q, CEO

Thylhz hu KGGVudqvdf vlr qvr q Hk} | Uj wnhp v, KGGG

Thylhz hu KGGVudqvdf vlr qvr q Ur iw d h Gaj lqhhu lqj , KGGG

Thylhz hu KGGVudqvdf vlr qvr q E | ehuhqf v, KGGG

Thylhz hu KGGG Er qvx p hu Gdf vr qlf v O dj d; lqj, KGGG

Thylhz hu Thdeldv Gaj lqhhu lqj dgg Uj wnhp v Udihv, Gøhylhu Uf lhqf h

Thylhz hu Er p s xvnw dgg Kqgxwldo Gaj lqhhu lqj , Gøhylhu Uf lhqf h

Thylhz hu G | s huw Uj wnhp v z lvk Cs s dfv r qv, Gøhylhu Uf lhqf h

Thylhz hu Lr xudor i Ehdqhu Rur gxf vlr q, Gøhylhu Uf lhqf h

Thylhz hu Cs s dhg Ur iw Er p s xvlaj , Gøhylhu Uf lhqf h

Thylhz hu Er p s xvnw lq Kqgxwvlj , Gøhylhu Uf lhqf h

Thylhz hu Kqvwv qdo Lr xudor i Hk} | Uj wnhp v, Us daj hu
Thylhz hu Ohvdk hx uwlv, Us daj hu

Thylhz hu Er p s dh { & Kqvwv hqv Uj wnhp v, Us daj hu

Thylhz hu Uf lhqwp hwlv, Us daj hu

Nu t " ' æ 5

Cwrf ldv Gglw u Ur fldo Phvr r un Cqdq vlv dgg Olqlaj , Us daj hu

Cwrf ldv Gglw u Lr xudor i Maj Udxg Wqlyhuwlj - Er p s xvnw dgg Kqir up dvr q Uf lhqf hv, Gøhylhu

VRE Ohp eh UCO Kqvwv qdo Er qihuhqf h r q F dvl Olqlaj (UF O)

VRE Ohp eh Kqvwv qdo Lr lqw Er qihuhqf h r q Cwlilf ldo Kqvwv hqf h (KECK)

VRE Ohp eh KGGG Y K / CEO Kqvwv qdo Er qihuhqf h r q Y he Kqvwv hqf h (Y K)

VRE Ohp eh CEO Kqvwv qdo Er qihuhqf h r q Kqir up dvr q dgg Mqr z dhg h O dgdj hp hqv (EMD)

VRE Ohp eh Cvldq Er qihuhqf h r q Kqvwv hqv Kqir up dvr q dgg F dvl dvh Uj wnhp v (CEHE U)

Thylhz hu KGGVudqvdf vlr qvr q Er p s xvlw r qdo Dr j | &

Dir lqir up dvr q, KGGG

Thylhz hu KGGG Vudqvdf vlr qv r q Kqir up dvr q H thqvfv & Uhf x uvlj, KGGG

Thylhz hu Ur fldo Phvr r un Cqdq vlv dgg Olqlaj , Us daj hu

Thylhz hu Mqr z dhg h dgg Kqir up dvr q Uj wnhp v, Us daj hu

Thylhz hu Kqir up dvr q Uf lhqf hv, Gøhylhu

et z 'æ 5

VTE p hp eh RTHO K2021

Uhwlr q Ekdlu VRE p hp eh dgg P dvr qdo Cgy lvr Uj fr p p lw h r i O KUR 2021

Lr xudor Thylhz lqj : KGGG vudqvdf vlr qv r q qhxudoqhv r unv, Kqir up dvr q Uf lhqf hv, Phxudor Phvr r unv, Phxur fr p s xvlaj , Phxudor Rur f hvlaj Nhw h u, Cwlilf ldo Kqvwv hqf h Thylhz , Phxudor p s xvlaj dgg lw ds dfv r qv, Lr xudor i p df klqh dnduqlaj dgg f | ehuhqf v, Cs s dhg lqv h d h hqf h, Us daj hu

Er qihuhqf h Thylhz : O KUR 2021, RTHO K2021

Ot x -xx3N5

Lr xudor Thylhz lqj : KGGG Cffhw, KGGG Vudqvdf vlr qv r q Phvr r un dgg Uhuylf h O dgdj hp hqv

P' t x -xx30P5

Cwrf ldv Gglw u KGGG Cffhw Lr xudor (Hr p F hf 2018 w Vægdv)

VRE Ohp eh KGGG EQO UP GVU 2021, I NQDGEQO 2021 ES TO , KVVGG 2021, KGGG RUT 2021, KGGG IEE 2021 - ES TO Uj p s r vlxp , dgg KGGG IEE 2021 - QP U Uj p s r vlxp

Lr xudor Thylhz lqj : KGGG/CEO Vudqvdf vlr qvr q Phvr r unlaj , KGGG Vudqvdf vlr qv r q Er p p xqlf dvr qv, KGGG/QUC Lr xudor i Nj kvz dyh Vhf kqr j | , KGGG/QUC Lr xudor i Qs vlf do Er p p xqlf dvr q dgg Phvr r unlaj , KGGG Er p p xqlf dvr qv Nhw h u, Er p s xvnw Phvr r unv - Gøhylhu dgg Qs vlf do Uz lvk lqj dgg Phvr r unlaj - Gøhylhu

Er qihuhqf h Thylhz lqj : KGGGCP VU 2021, KGGG IEE 2021, dgg, KGGG I NQDGEQO 2021.

f' t t3f5

VRE Ohp eh Kqvwv qdo Er qihuhqf h r q Kqvwv hqv Er p s xvlaj dgg Uhf x uvlj : C Rdudglj p Ukliw (KE U 2021), I N Ddnd Kqvwv r i Vhf kqr j | dgg O dgdj hp hqv l uhdvhu Pr lgd, l dxvlp D x g g k d p dj du F hkl IPET, Kqgld.

VRE Ohp eh 3ug Kqvwv qdo Er qihuhqf h r q Uriw Er p s xvlaj dgg lw Gaj lqhhu lqj Cs s dfv r qv, KVV Ur iw r p s 2021, Ekduxvduw Ek d aj d, Kqgld.

Lr xudor Thylhz lqj : KGGG Cffhw, Us daj hu Udgkdq d

Rxevk h g e| vkh Kqgldq Cf dghp | ri Uf lhqf hv, Yræ Uf lhqf vlj Kqvwv qdo Lr xudor i Uriw d h Gaj lqhhu lqj dgg Mqr z dhg h Gaj lqhhu lqj (KLVGG).

Er qihuhqf h Thylhz lqj : KEEFG 2021 dgg KVV Ur iw r p s 2021.

N " x Z x ux ' " y at " t O / x t " t O w/x

Z ' "æ t tuX5

Uhlru Ohp eh - Kqvwv r i Gdf wlf do dgg Gdf vr qlf v Gaj lqhhu (KGGG), WUC

Uhlru Ohp eh KGGG Er p s xvlw r qdo Kqvwv hqf h (EK) Ur f l h v j , WUC

Uhlru Ohp eh KGGG Uj wnhp v, O dgdj dgg E | ehuhqf v (UOE) Ur f l h v j , WUC

Uhlru Ohp eh KGGG Er p s xvnw Ur f l h v j , WUC

Ohp eh - Gxur s hdq Ur f l h v j ir u Hk} | N r j lf dgg Cs s dfv r qv (GMUHCNV), Us daj

Nu t " ' æ 5

Uhlru Ohp eh Kqvwv r i Gdf wlf do dgg Gdf vr qlf v Gaj lqhhu (KGGG), WUC

Uhlru Ohp eh Cwrf ldvr q ir u Er p s xvlaj Odfklqhu (CEO), WUC

Uhlru Ohp eh Er p s xvnw Ur f l h v j r i Kqgld (EU), Kqgld

Nih Ohp eh Kqgldq Ur f l h v j ir u Vhf kqlf do Ggx f dvr q (KVG), Kqgld

Nih Ohp eh Kqgldq Uf lhqf hv Er qj uhw Cwrf ldvr q (KUEC), Kqgld

Nih Ohp eh Kqvwv r q r i Gdf vr qlf v dgg Vhdv r p p xqlf dvr q Gaj lqhhu (KGVG), Kqgld.

et z 'æ 5

Ohp ehur i KGGG (94612695)

Ot x -xx3N5

Ohp ehur i KGGG (92801762)

Ohp ehur i CEO (0382038)

P' t x -xx30P5

Uhlru Ohp eh r i KGGG (93126695), dgg KGGG Er p p xqlf dvr qv Ur f l h v j .

Hæ z (H228152) r i Vkh Kqvwv r q r i Gdf vr qlf v dgg Vhdv r p p xqlf dvr q Gaj lqhhu (KGVG), Kqgld.

f' t t3f5

O hp ehur i KGGG(92024198)

O hp ehur i CEO (4392633)

c u 'vt "

Rw' xwi x

Qvf du Edwæ, **c t tu X5Z ' 3** J raj Or, Ekhaj gr qj N, Tx qp hl N, dag J dp Ig Th} d Mdlp l. "Gglw Udor q Us hf ldo Kvxh:ÅVhaggvdag F vyhør s p hqwr q V} s h-2 Hk}}| Uhwdag U} wnp v." K}vhuqdvir qdøl x uqdor i Hk}}| U} wnp v 23, qr. 4 (2021): 1055-1056.

P' t x " O

Uxp dqvk Dkdvdud D. l., Cp lwTdxql du Tdkxopdvk, dag **c t tu X5Z ' 5** J r qh-Ddvhg Rdvk Ræqqlaj r i d Orelh TrerwWlaj l hqhwf C} r ulvkp." K} K}gxwv} 4.0 dag Cgydqfhg O dqxidv x udaj, s s. 263-275. Us uqj hu Uqj dsr uh, 2021.

N 'vx" W t

c t tu X5Z ' 3 Tdkxopdvk, dag Cp lwM Ukxnd. "Gqhij | hiifl hqwævn v f khgx d aj ir uh dævp h hp ehgg hg v} wnp v lq d ix}}| x qf h wædlq h qyl r qp hqw' KGGG Vudqvf vlr qvr q Hk}}| U} wnp v 29, qr. 5 (2021): 1037-1051.

Udqghs Mkp d Cp lwM Ukxnd, dag **c t tu X5Z ' 5** "Cqr p d} edvhg qr yhap xæv-xuf h xqxs huylvhg v dqvihu dædqlaj d s s r dfk ir u f dæ r q hp lwlr q f hqwæf l F R s thglf vlr q." Er p s x v hu l q K}gxwv} 126 (2021): 103396.

Odqyhqgu d Ldqp dlrd} d, Cp lwM Ukxnd, **c t tu X5Z ' 3** dag Crhk Ceudkdp. "K}gxwv} 4.0: Ndvhqw f ulf k d w Cæf d vlr q dag fævhuqaj edvhg v kh p h lghqvlf d vlr q r i eledr j uds k l." Gaj lqhdulaj C s s df d vlr qv r i Cwæ l f l do K}vhuqaj hqfh 103 (2021): 104280.

] xedluCvkudi, F hhs lnd O d d r v d, **c t tu X5Z ' 3** dag S. O. Nr kdql. "K}vhuq d v} s h-2 ix}}| y h q r u p d q d j h g l q y h q w} v} w n p d a g l w v r æ v l r q z l v k s d w f d h v z d u p r s v l p l} d v l r q." K}vhuqdvir qdøl x uqdor i Hk}}| U} wnp v 23, qr. 7 (2021): 2080-2105.

Tlqnl Ur æqlnl, S. O F dqlvk Nr kdql, dag **c t tu X5Z ' 5** "Rur edel d w f K}v l v l r q l w f Hk}}| F h f l v l r q O d n l a j C} r u l v k p v." KGGG C f f h w 9 (2021): 99651-99666.

Cevdæ p G. G}x j z x, Cp lwM Ukxnd, Tdkxopdvk, Cqgurqlfv C. Cnlq l h æ, Lhiih} Q. C j xvk d n d, J d u x q d Eklur p d, dag **c t tu X5Z ' 5** "O h w æ k h x u w f v: d f r p s u h k h q v l y h r y h y l h z d a g f æ w l i f d v l r q d æ q j z l v k e l e d r p h w f d q d} v l v." Cwæ l f l d o K}vhuqaj h q f h Thylh z 54, qr. 6 (2021): 4237-4316.

Uxp lwM Ddqvk d Xlyhn Mkp duUqj k, dag **c t tu X t Z ' 5** Edq d æ p h w f p h q v l r q v s u g l f w æ v h u f l v æ l r q v A C v h w v r y d d g l v} r q g d v æ i u r p Thvh d f k l d h d a g v k u h h v r f l d o p h g l d s æ v l r u p v." Q q d q h K} j i r u p d v l r q Thylh z (2021).

Or kg Hb} l} Cp lwMkp duUdk, dag **Z ' t t w Nu t'' 3** F hhs UDF: C F hhs Phxudo Phv r un Or ghoy lvk Cw h q v l r q O h f k d q l v p ir u U r f l d æ r w f h v n f v l r q, KGGG Vudqvf vlr qvr q K} j i r u p d v l r q H th q v l f v d a g U h f x u w} v, Xr o 16, 2021, s s. 4211-4223.

Cvkudi Mtp do dag **Z ' t t w Nu t'' 3** ECV-DII TW Er qyr æv l r q d a g C w h q v l r q z l v k D l-g l u h f v l r q d o l d h g Th f x u h q w W q l w i r u U h o-F h s t h f d v l a j U d l f d v p F h v n f v l r q, Er j q l v l y h Er p s x v æ l r q, V r s l f d o E r d æ f v l r q: C F h f d g h r q U h q v l f Er p s x v l a j, U s u a j h u 2021, s s. 1-20.

Z ' t t w Nu t'' dag Or kg Hb} l} C O d f k l a h N h d u l a j C s s r d f k i r u U r f l d æ r w V d j h w F h v n f v l r q r q V z l w h u L r x u q d o r i K}vhuqaj h q w & H k}}| U} w n p v, I Q U R u h w, 2020, s s. 1-18.

] xedluC d Cqvdu, Ldkluxggla, dag **Z ' t t w Nu t'' 3** Cq Gilfl h q w U k e j u d s k K r p r u s k l v p U r g y h i r u N d j h l u d s k v, KGGG C f f h w, Xr o 9, 2021, s s. 61697-61709.

Z ' t t w Nu t'' 3 P x u C æ J d v d q J d æ g d u d a g Ldkluxggla, R2F H C Rulydf} -Ruhvhuylaj F l j l v æ d H t h q v l f v H d p h z r u n, K}vhuqdvir q d o L r x u q d o r i F l j l v æ d E u l p h d a g H t h q v l f v (K F E H), 13(6), 2021, s s. 1-15.

e et z'3U Ukdup d, ÅVhuqduj v h h-e d v h g w æ f v x u d o v z l q v x s s r u w h q r u p d f k l a h i r u f æ w h u l a j, R d w h u q C a d} v l v d a g C s s d f d v l r q v, U s u a j h u 2021, 24 (1), 61-74

Ukdup d, U, **et z'3e5** dag Ekdaqd, U, ÅV j h-U f d d h V z l q R d u p h w f U k s s r u w X h f w u O d f k l a h W l a j R l q e d æ N r w H k q f v l r q, KGGG Vudqvf vlr qvr q U} wnp v, O d a, d a g E} e h u q h v l f v: U} w n p v, 2021, Xr æ 1 (2), s s. 987 1003.

et z'3e5 dag Or uæ} d, U, Åxæv-æ h o f æ w l i f d v l r q z l v k O l w l a j N æ h æ v l a j N æ h o E r u h æ v l r q d a g T r e x w U æ f v x u d a h d u l a j, M q r z d g j h D a v h g U} w n p v, 2021, 229, 107336.

O Vdqyhhu U Ukdup d, **e et z'3R** C a d a g, Å s d w h v x s s r u w y h f w u p d f k l a h z l v k s l q e d æ æ w, V u d q v f v l r q v r q G p h j l a j V h d f r p p x q l f d v l r q v V h f k q r æ j l h v 32 (2), h3820, 2021, 1-6.

U Ldlq, **e et z'3** Åxæv-æ h o O l q l p d} R u r e d e l d w y O d f k l a h z l v k O x æ v p d q l i r æ Thj x æ l u d v l r q, Thvh d f k Th s r u w r q E r p s x v h u f l h a f h, 44-63, 2021.

Rdaqh| U, **Ot x-xx NS** "Qs v l p d o P r q-W æ l i r u p U d p s d a j e} D u d q f k-d a g-D r x q g C s s u d f k i r u U s h h f k E r g l a j, KGGG

C f f h w, 23 F h f. 2021. G h f w r q l f K U P: 2169-3536

Eklvkæ O.U, Uxij dq H, **Ot x-xx NS** "F h f h q w æ d} h g Q q- E k d l q F d æ C f f h w y l d U p d w E r q w æ f w l q G æ k h u x p D æ f n f k d l q," KGGG Vudqvf vlr qvr q Phv r un dag Uhylf h O d q d j h p h q w 2021. G h f w r q l f K U P: 1932-4537

Uxij dq H, **Ot x-xx NS** "E r p s x v æ l r q Q i i æ d g l a j i r u l p d w F h y l f h v l q H j -E æ x g S x h x l a j U} w n p," KGVG L r x u q d o r i Thvh d f k, 2021.

Rdaqh| U, **Ot x-xx NS** "C Flwælexvhg C s s r d f k w U s h d n h u E r x q w R u r æ d p l q d q Q s h q-U h w U f h a q d u r e j E æ w h u l a j R l v i k H h d v x u h v," K} j i r u p d v l r q (O F R K), y r o 12 (4), 2021. K U P: 2078-2489

Rdaqh| U, **Ot x-xx NS** U k e u p d a l d p M, "R l v i k E r q w x u U} æ d} d v l r q e j O d u n l a j X r l f h K y q d v l r q," K}vhuqdvir q d o L r x u q d o r i C g y d q f h g E r p s x v h u f l h a f h d a g C s s d f d v l r q v (KCEUC), Xr o 12(3), 2021. K U P: 2156-5570

Eklvkæ O.U, Maj E.V, **Ot x-xx NS** "G æ s æ d a j J d æ-F x s d æ E r p p x q l f d v l r q r i P H E Th d g / Y u v h O r g h i r u U h f x u h O x æ v H æ f w u C x v k h q v l f d v l r q," KGGG C f f h w, y r o 9, s s 6344 - 6357, 2021. G h f w r q l f K U P: 2169-3536

P' t x-xx3 05 PS Y dgxg, C., Ckphg, K, dag Qnl, G, ÅRur ulv-Ddvhg K}vhu-Er uh dag K}vhu-Or gh Eur v æ d æ -Cyr lghg Thvr xuf h Cæf d vlr q ir u U s h f w æ d æ-U s d v l d æ G æ w l f Q s v l f d o P h v z r u n v, KGGG/CEO Vudqvf vlr qvr q Phv r un laj, yr o 29, qr. 4, s s. 1634-1647, 2021.

Mæz de dæd, C., **P' t x-xx305PS** dag Qnl, G, ÅCq Qs v l p l w l f U} q f k r q l} d v l r q D a v h g Q s v l p d o U h y h u U h d f v l r q U f k h p h i r u F h æ l U h q v l v y h E r p p x q l f d v l r q U h y l f h v, KGGG Vudqvf vlr qvr q E r p p x q l f d v l r q v, y r o G 104-D, q r .10, Q f w 2021. 2021.

Ekdxkdq, R, F hnd, U.M, **P' t x-xx305PS** dag U d l p d, P., ÅV h d v} -C z d h E r r s h u d v y h U s h f v æ p U h q v l a j U f k h g x d a j i r u J h v h u j h q h r x v O x æ v-E k d q q h o E r j q l w y h T d g l r P h v z r u n v, V h d f r p p x q l f d v l r q U} w n p v (U s u a j h u), y r o 78, s s. 78, 25 37, 2021.

Ekdxkdq, R, F hnd, U.M, **P' t x-xx305PS** dag U d l p d, P., ÅE r r s h u d v y h U s h f v æ p R u h g l f v l r q-F u y h q U h q v l a j i r u G q h j | E r q w æ d l a h g E r j q l v y h T d g l r P h v z r u n v, KGGG C f f h w, y r o 9, s s. 26107-26118, 2021

P' t x-xx3 0PS Y dgxg, C., dag Qnl, G, ÅRur d f v l y h H a j p h q v æ l r q O d q d j h p h q w U f k h p h D a v h g r q E r w æ d æ -Cyr lghg D æ v i k R u r f h w l a j i r u U s h f w æ d æ-U s d v l d æ G æ w l f Q s v l f d o P h v z r u n v, KGGG L U C E U s h f l d o K v x h r q N d v h w C g y d q f h v l q Q s v l f d æ p h v z r u n v i r u s l E r p p x q l f d v l r q v d a g D h} r q g, y r o 39, q r .9, s s. 2719-2733, 2021.

P' t x-xx30PS U r o P., dag Qnl, G, ÅCp s d l u p h a q w C z d u h U s h f v æ p C æ f d v l r q l q G æ w l f Q s v l f d o P h v z r u n v: C F l v s h u l r q-U h q v l v y h C s s u r d f k, Q s v l f d æ H e h u h f k q r æ j |, y r o 61, s s. 1-10, 2021.

f' t t3f5 R h a g k d u d y R E. d a g M d l p h v k x, Å N d u l a j E r p s r q h q w U l} h F l w æ l e x v l r q v i r u U r i v z d u h E r v w G w l p d v l r q: O r g h æ D a v h g r q C u l v k p h w f d a g U k l i v n g l h r p h w l f O h d q v T x d v, KGGG Vudqvf vlr qvr q U r i v z d u h G a j l a h h u l a j, l q h d u} d f f h w v l a q h 29 F h f h p e h u 2021, F Q K 10.1109/VUG.2021.3139216. R u l q w K U P: 0098-5589, G h f w r q l f K U P: 1939-3520.

f' t t3f5 dag R h a g k d u d y R E., ÅCq v k h C q d} v l r i R r z h u N æ z F l w æ l e x v l r q l q U r i v z d u h E r p s r q h q w U l} h v, L r x u q d o r i U r i v z d u h: G y r æ v l r q d a g R u r f h w, l q h d u} d f f h w v l a q h 28 F h f h p e h u 2021, F Q K 10.1002/vp u2417. Q q d q h K U P: 2047-7481.

f' t t3f5 dag D k d w y R F., ÅRhuir up d a f h C a d} v l v r i l d p d / O / 1 O r g h o i r u k V-D a v h g U h q v r u f d æ l v d i l f, KGGG Y l h d w E r p p x q l f d v l r q N h w h u, 10 (11): 2430 2434, 2021. R u l q w K U P: 2162-2337, G h f w r q l f K U P: 2162-2345.

f' t t3f5 ÅE æ l e r u d v y h F h f l v r q O d n l a j l q K V P h v z r u n i r u U k w æ l l q d æ d U p d w E l w h v: C q C w æ l f l d o K}vhuqaj h a f h R æ q q l a j O h v k r g D a v h g U r æ v l r q, K}vhuqdvir q d o L r x u q d o r i C g y d q f h g V h a g v l q E r p s x v h u U f l h a f h d a g G a j l a h h u l a j, 10 (4): 2678-2684, 2021. K U P: 2278-3091.

f' t t3f5 dag U k d n r r u C., ÅRhuir up d a f h G y d æ d v l r q r i U æ w h g C æ k d C a v l-E r æ v l r q R u r w f r o i r u O r e l d h T H E V d j v l q h q v i l f d v l r q x v l a j P J R R, K}vhuqdvir q d o L r x u q d o r i C g y d q f h g V h a g v l q E r p s x v h u U f l h a f h d a g G a j l a h h u l a j, 10 (3): 1676-1682, 2021. K U P: 2278-3091.

Xx xNwwx x t wV "xwgt

Nu t'' 3 Z 5 g h d y h u g d a G æ s h u w V æ n r q "U r f l d æ r w F h v n f v l r q l q Q a d q h U r f l d o P h v z r u n v x v l a j O d f k l a h N h d u l a j V h f k q l t x h v" d w v k h H æ f x æ y F h y h æ s p h a q R u r j u d p r q G a d e d a j V h f k q r æ j l h v i r u C w æ l f l d o K}vhuqaj h a f h, O d f k l a h N h d u l a j d a g K Q V, r u j d a j} h g e j F h s d u p h a q r i E r p s x v h u G a j l a h h u l a j, C O W C d j d u k x a g g h u v k h C H E V G V æ l l a j a j C a g N h d u l a j (C V C N) v f k h p h g x u a j L x q h 21-25, 2021.

et z'3e5 g h d y h u g d a K}v l v n g v æ n h a q v æ n g, Å d f k l a h N h d u l a j & Q s v l p l} d v l r q" f r a g x f v n g e j K V C æ l l k d e d g, 2021. (X l u x d}

f' t t3f5 g h d y h u g d a l q y l v n g v æ n r q ÅV w æ l e x v h e d v h g g l v f r y h u} d f k l v n f v æ h i r u g h y l f h v l q K V l q C H E V G

vsr qvr thg r qdqh vkr uvv hup sur j ud p r q kqvuqhwr i Vklaj v (K V): Ek d h q j hv d q g C s s d f d v r q v r u j d q l h g e | WUE&V, I I URW F h k l, k q g l d, 1-6 H e 2021.

f' t t 3f 5ghdyhuhg dq lqylvnhg v d n r q C r d n r i f o x v n u d a j l q g l v r y h u j v h u y l f h v i r u k V l q v k h H b f x o y F h y h o s p h q w R u r j u d p , v s r q v r t h g e | C I E V G v u d l l q a j d a g N h d u l q a j (C V C N) C f d g h p | r q d q h h d n p h q v u l H F R r q k q v u q h w r i V k l a j v (K V) : C u f k l v n f v x u h & U j v n h p N h y h o F h v l j q , r u j d q l h g e | W U E & V , I I U R W F h k l , k q g l d , 27 v k U h s - 1 w w Q f w 2021.

f' t t 3f 5ghdyhuhg dq lqylvnhg v d n r q C r d n r i f o x v n u d a j l q g l v r y h u j v h u y l f h v i r u k V l q v k h H b f x o y F h y h o s p h q w R u r j u d p , v s r q v r t h g e | W U E & V , I I U R W F h k l , k q g l d , 27 v k U h s - 1 w w Q f w 2021.

ct x c x x xwt wYxv x Qx " x xw

Cp l w M U k x n a l , O g C e g x o O d d n E k r z g x u j , T a k x o P d v k , d a g c t t u X 5 Z ' ' 5 " H k } } | T h d e l d v l T h g x q d q f | C o e f d v r q R u r e d n p W l a j O x o k i d f w u d o G y r o v r q d u j C o r u v k p . " k q 2021 K G G K q v u q d v r q d o E r q i h u q f h r q U j v n h p v , O d a , d a g E | e h u q h v f v (U O E) , s . s . 2512-2517. K G G 2021.

V d q l d U h v k , d a g c t t u X 5 Z ' ' 5 " Q s v l p l j a j J | s h s d u d p h v n u l q E P P v x v l a j D i d y h o R u r j u d p l a j l q V l p h U h u h v F d v d . " k q 2021 F d v d U f l h q f h O h h w Q s v l p l j d v r q (F U Q) z r u n v k r s d w v k h 29 v k k q v u q d v r q d o L r l a v E r q i h u q f h r q C u l i l f l d o k v n d a j h a f h d a g 17 v k R d f l i l f T l p E r q i h u q f h r q C u l i l f l d o k v n d a j h a f h (K E C K R T I E C K) 2020 r q L d a x d u j 7 , 2021.

et z' 3 e 5 d a g J x w d l q O , T r e x w v O x o l v d n N h d w U t x d h v V z l q U x s s r w x h f w u O d f k l q h v i r u E a w l i l f d v r q , O K R 2021 (X l u x d e r q i h u q f h) .

et z' 5 e 3 U k d u p d . U , d a g U k t h v k E k d a g u d , U w f k d w l f S x d v l - P h z w q O l q l p x p E r p s d n l v l O d f k l q h i r u R d v n u q E a w l i l f d v r q , R T h O K 21 (X l u x d e r q i h u q f h) .

D d r , D . , [d a j , J . , [d r , S . , E k d r , N , P ' t x - x x 3 0 5 P 5 d a g Q n l , G , A n q n - r u h q v n g U s h f v x p T h v r x u f h D a e l q l a j i r u l | e u g G g j h / E o x g G a e l w l f F d v a l f h q v n u Q s v l f d o P h v z r u n v , R u r f . r i K G G Q U C C E R , 24 - 27 Q f w 2021 , U k d a j k d l , E k l a d (X l u x d o E r q i h u q f h) / R Q U V G T R u h v h q v d v r q ' .

L d q d , T . M , P ' t x - x x 3 0 5 P 5 U l a j k , C . R , U d y d w a y d , C . , O x n k h u t h , D , N u g , C . , d a g O l v a d , C . , C r h u r u p d a f h G y d a d v r q r i E r q y h q v r q d o U s h f v x p - C o e f d v r q R r d f l h v i r u E + N D d a g G a e l w l f Q s v l f d o P h v z r u n v , R u r f . r i K G G C P V U , 13-16 F h f 2021 , J | g h u d e d g , k q g l d (J | e u g : k q - R h u r q d a g

X l u x d e r q i h u q f h) .

P' t x - x x 3 0 5 P 5 C k p h g , K , Y d g x g , C . , d a g Q n l , G , C C E u r w a l o n - C y r l g h g E r u h , O r g h , d a g U s h f v x p C o e f d v r q U f k h p h D a v h g r q R u r u v l y i r u U s h f v a d o l - U s d v d a l G a e l w l f Q s v l f d o P h v z r u n v , 17 v k k q v u q d v r q d o E r q i h u q f h r q I R + Q s v l f d o P h v z r u n (I R Q R 2021) , 30 v k U h s w - 1 v k Q f w 2021 , L d s d a g (X l u x d e r q i h u q f h) / R Q U V G T R u h v h q v d v r q ' .

M t z d e d v a l , C . , V r m , V . , P ' t x - x x 3 0 5 P 5 d a g Q n l , G , C C q Q s v l p d o C o e f d v r q U f k h p h r i F d v a d e d v h d a g C s s d f d v r q i r u F h a l | U h q v l v y h K V U h u y l f h v , R u r f . r i K G G I o e h f r p , 7 - 11 F h f 2021 , O d g u g , U s d l q (J | e u g : k q - R h u r q d a g X l u x d o E r q i h u q f h) .

D d r , D . , [d a j , J . , Y d a , [. , [d r , C . ,] k d a j , L , P ' t x - x x 3 0 5 P 5 d a g Q n l , G , C r g h - Q u h q v n g V u d i l f R u h g l f v r q d a g U f k h g x d a j D a v h g r q l u d s k E r q y r o v r q d o P h v z r u n l q O h v r Q s v l f d o P h v z r u n v , R u r f . r i K G G Q U C Q H E , 06 - 11 L x q h 2021 , E C , W U C (X l u x d e r q i h u q f h) .

V d n h g d , M , U d v r , V . , P ' t x - x x 3 0 5 P 5 d a g Q n l , G , C l r l a q o k q v n u - E r u h Z V d a g k o s d l u p h a w C z d u h N j k v s d v k R u r y l v r q l a j l q G a e l w l f Q s v l f d o P h v z r u n v , R u r f . r i K G G H E E , 14-23 L x q h 2021 , O r q v h d o E d q d g d (X l u x d e r q i h u q f h) .

M t z d e d v a l , C . , P ' t x - x x 3 0 5 P 5 d a g Q n l , G , C C s v l p d o U h u y h u h d f v r q U f k h p h z l v k Q s v l p l w l f U j q f k u r q l } d v r q i r u F h a l | U h q v l v y h U h u y l f h v , R u r f . r i K G G E E P E , 9-12 L d a g 2021 , W U C (X l u x d e r q i h u q f h) .

f' t t 3f 5 d a g V k h u l a j , M , C U a v l w l f d o C q d o v l v r i T h v x u q v i u r p E u j s w f x u h q f l h v d w X d u j l a j H l h t x h a f l h v : H l l o x h r i E x e l f N d z , K G G 6 v k k q v u q d v r q d o E r q i h u q f h i r u E r q y h j h a f h l q V h f k q r o j | (K E V) , 2-4 C s u o 2021 , k q g l d (X l u x d e r q i h u q f h) ,

f wx Nv' 'x x x

f " X t O t ' t 3RkF (2021), k d v e h h q v h d f v n g d v d a C w l v a d q w R u r i h v r u F d i r g l o k q v u q d v r q d o W a l y h u l v l y , F k d n d , D a j a g h v k

et' at' 3RkF (2021), k d v e h h q v h d f v n g d v d a R r w v F r f w u d o H o e z l q v k h G P U U C V , W a l y h u l v l y r i T h q q h v 1 , N d a q l r q , H d a f h

c " t N t w 8 RkF (2021), k d v e h h q v h d f v n g d v d a C w l v a d q w R u r i h v r u l q v k h F k l u x e k d l C p e d a j l k q v l v x v n r i k q i r u p d v r q d a g E r p p x q l f d v r q V h f k q r o j | (F C - K E V) , l d a g k l a q d j d u

SNeUNa f h SI Na 3RkF (2021) k d v e h h q v h d f v n g d v d a C w l v a d q w R u r i h v r u l q d a W a l y h u l v l y d v l x u d v l x r d u d w

ft xw Z t t 3Ouf (2021) k d v e h h q v h d f v n g d v d N h f v x h u l q v k h D a n k v a l u W a l y h u l v l y d v M d e x o C i j k d a l w a d a

Xt t Q -3Ouf (2021) k d v e h h q v h d f v n g d v d C v r f l d v n N h f v x h u d v D k x v a d a

Qxut -t P' t tu 3Ouf (2021), k d v e h h q v h d f v n g i r u d L T H s r v l v r q w z d u g v R k F l q v k h O d f k l q h k q v n d a j h a f h W a l y k q g l d a U a v l w l f d d k v l v x v n M o n d v a l , k q g l d

atw' t N' tw 3Ouf (2021), k d v e h h q v h d f v n g d v d

N h f v x h u l q d s u y d v n x q l y h u l v l y l q M d e x o C i j k d a l w a d a

f t ' " T t z 3Ouf (2021), k d v e h h q v h d f v n g i r u d R k F s r v l v r q z l v k i x o v f k r a l u k l s l q v k h W p h d W a l y h u l v l y , U z h g h q .

N ' " ' X t 3Ouf (2021), k d v e h h q v h d f v n g d v d F d v d G a j l q h h u d v D l r p h C q d o v l f v d v k o e p d e d g , R d n l w a d a

Q" t ' " T t 3Ouf (2021), k d v e h h q v h d f v n g d v d C v r f l d v n U r i v z d u h G a j l q h h u l q v k h



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Vkh O dvhkhp dmf v F hs duwp hqwr i Ur xvk C vldq Wqlyhuwlv Iv r qhri vkh p r wh{f l v l q j s æ l f h v l q Ur xvk C vldq f r x q v l h v w gr p d v k h p d m f v . V k h g h s d u w p h q w k d v d q h { f h æ h q w u h v h d f k u s x v æ l r q , d v w r q j , g h p d a g l a j j u d g x d v h v w x g | s u r j u d p l q p d v k h p d m f v , d a g d i x æ d a j h r i h { f h æ h q w R k . F . s u r j u d p r i i h u l a j v . Y h k d y h 8 s h u p d a h q w i d f x æ l y z r u n l a j l q d u h d v d v y d u r x v d v q x p h u l f d o d a d d v l v , i x q f v l r q d o d a d d v l v , j u d s k v k h r u j , r s v l p l } d v l r q , i x } } | æ j l f , d a g p d v k h p d m f d æ l r æ j | . Y h d u h k r p h w 2 i d f x æ l y p h p e h u d w h g l q v k h w s 2 % v f l h q v l w w d w w (h d u 2 0 2 0 d a g 2 0 2 1) s x e d v k h g e | W U - e d v h g U v e d q i r u g W q l y h u w l v . C s s u r { l p d v h d 5 5 v x g h q w d u h f x u h q v d g r l a j v k h l u p d v h u w l q p d v k h p d m f v l q v k h g h s d u w p h q w d a g 3 6 v x g h q w d u h s x u x l a j v k h l u R k . F . g h j u h v . E Q X I E 1 9 k d v l p s d f v h g v k h w æ l q d u g i x q f v l r q d d v l y r i v k h g h s d u w p h q w J r z h y h u v k h w æ r q j g h v l h w d u d a q d a g v h d f k r i r x u v x g h q w d a g i d f x æ l y p d g h l w s r w l e d h w f r q v l q x h d æ v k h d f d g h p l f d f v l y l v h v l q r q d q h p r g h z l v k r x w d a j k x u g d h . C s d u w i r p v k h u j x æ l f æ l v h v d a g u h v h d f k v s h u y l v r q g x l a j 2 0 2 1 , z h k d y h k r v h g x p h u r x v l a y l v h g d i f v x u h v , v h p l a d u , f r q i h u h a f h v . H d f x æ l y p h p e h u i u r p v k h g h s d u w p h q w d u h d æ r d f v l y h d h a j d j h g l q v k h y d u r x v d g p l a l w æ d v l y h u h s r q v l e d v l h v , l a f æ g l a j v k h s r v l v r q r i d f v l a j s u h v g h q w g h d a v x g h q w , g l u h f w u d g p l w l r q v d a g h { d p l a d v l r q v , f k d l u p d a d æ u d l f r p p l w h h d u h i z w

qdp h. Y h k r s h v k d v l r x z l æ l q g r x u g h s d u w p h q w d a g x d o u h s r u k h æ i x o Y h k h u h d w k h g h s d u w p h q w i p d v k h p d m f v d u h f r p p l w h g w p d l q v æ l l a j v k h k l j k w æ l q d u g v r i v h d f k l a j d a g u h v h d f k w h q v x u h d f d g h p l f x s d i v p h q w v k u x j k r x w k h U C C T E u j l r q .

f w x N w " x w t w P 4 " x O x t 4 h
at x y c z t x G' Z t ' x t ' v
Ot v 798

Cij kdqlwala	7	O daglyhv	0
Ddaj æghvk	0	P h s d o	0
Dkxvala	6	R d h l w æ l a	0
Kqgld	13	U l N d l q n d	0
Qvkhw	0		

at x y c z t x G' Q Z t ' x t ' v
Ot v 61

Cij kdqlwala	4	O daglyhv	0
Ddaj æghvk	5	P h s d o	5
Dkxvala	0	R d h l w æ l a	0
Kqgld	22	U l N d l q n d	0
Qvkhw	0		

Qx t " y S t v Z x u x

	at x	c' Q Ny " t " - l x t	Qx ' z t "	N x t y f x v ' t " t " 6 / x x
	Tdqrda Mks du Orkdqly	Kqgldq Kqvwlvh ri Vhfkr æ j F h k l , Kqgld 1990	Rur ihwr u	P x p h u l f d o C q d d v l v , P r p l q d o R d u l d o F l i i h u h q v l d o G t x d v l r q v , E r p s x v æ l r q d o H x l g F q d p l f v , R d u d æ h o C g r u l v k p v
	Fhsd Uqkd	Wqlyhuwlv ri F h k l , Kqgld 2007	Rur ihwr u	l u d s k v k h r u j
	Rdqndndla	Wqlyhuwlv ri F h k l , Kqgld 1996	Rur ihwr u	H q f v l r q U s d f h v , Y h l j k v h g P r u p l a q h t x d d v l h v , K q v h j u d o Q s h u d v u , H x u l h u C q d d v l v , P x p h u l f d o O h v k r g v .

	Mks du Orkdqly	Kqgldq Kqvwlvh ri Vhfkr æ j M d q s x u K q g l d 2 0 0 4	Rur ihwr u	P x p h u l f d o C q d d v l v , F h æ l F l i i h u h q v l d o G t x d v l r q v , U l a j x æ l u R h u x u e d v l r q v k h r u j , H a l l v h G æ h p h a q O h v k r g v
	Pdyqlwkd	Wqlyhuwlv ri F h k l , Kqgld 2005	Cwr fldv h Rur ihwr u	P x p h u l f d o C q d d v l v , F l i i h u h q v l d o G t x d v l r q v , U l h q v l f E r p s x v l a j
	Ldj glvk Ekdqg Ddqvdo	Kqgldq Kqvwlvh ri Vhfkr æ j T r r u n h h , K q g l d	Cwr fldv h Rur ihwr u	Q s v l p l } d v l r q v h f k a l t x h v , U z d u p l q v h d j h a f h .
	S.O. Fdqlvk Nkdq	Cd j d u k O x v d p W q l y h u w l v , K q g l d	Cwr fldv h Rur ihwr u	H k } } N r j l f v , H k q f v l r q d o C q d d v l v , O h d v x h v r i P r q - f r p s d f v a h w d a g O d v l { U d q v i r u p d v l r q v , U v æ l v l f d o C s s u r { l p d v l r q v , U w f k d w l f R u r f h w h v
	Udu nMk p du Ud kd q	Kqgldq Kqvwlvh ri Vhfkr æ j T r r u n h h , K q g l d , 2 0 0 8	Cwr fldv h Rur ihwr u	O d v k h p d m f d o D l r æ j , P r q - d a q h d u F q d p l f d o U j v h p , D l r l q i r u p d m f v

N t w 6J 6 x v ' t e x v z " "

f " ' t 3 Q x x t 3 ' v x c x ' w x 3 H u x p i r u l k v h u g l v f l s d a d l j O d v k h p d m f v (H O) .

f " ' t 3 Q x x t 3 W " f x v x t 3 r i K q g l d a C f d g h p | r i O d v k h p d m f d o R g h d a j d a g U l p x æ l v r q (H C O O U) .

f " ' t 3 Q x x t 3 S x r i K q g l d a C f d g h p | r i O d v k h p d m f d o O r g h d a j d a g U l p x æ l v r q (H C O O U) .

W " 3 c t t - P v " Z x u x 3 K q g l d a O d v k h p d m f d o U r f l h v l y .

f ' t t 3 X t " X 3 H æ z r i K q g l d a C f d g h p | r i O d v k h p d m f d o R g h d a j d a g U l p x æ l v r q (H C O O U) .

f ' t t 3 X t " X G v h u q d o G d p l q h u i r u v k h F h s d u w p h q w r i O d v k h p d m f v , W q l y h u w l v r i O d x u l v x v .

f ' t t 3 X t " X O h p e h u D Q U , F h s d u w p h q w r i O d v k h p d m f v , C p l v l y W q l y h u w l v l y

O t t 3 W z w " ' P ' t w O h p e h u C R U C æ d d a f h

O t t 3 W z w " ' P ' t w O h p e h u D r d u g r i U x g l h v d w O d g k d y K q v l v v h r i V h f k q r æ j | d a g U l h a q f h v , l z d d r u

O t t 3 W z w " ' P ' t w O h p e h u D r d u g r i U x g l h v d w D d e x D a d q d u l g d v W q l y h u w l v l y N k f n a r z .

O t t 3 W z w " ' P ' t w (X l v l a j H t f x æ l y) : N y h u s r r a l r s h W q l y h u w l v l y , N y h u s r r a d w i u r p 2 0 1 8 - 2 0 2 3 .

O t t 3 W z w " ' P ' t w (O h p e h u r i f r p p l w h h r i h { s h u w) : K q g l d a C l u H u f h v U Y C T O F T Q P G E Q O R G W / K Q P

H Q T O G J C T D C D C R T I G 2 0 1 8 - 2 0 2 1 .

f t ' t ' 3 f t - X t O h p e h u D r d u g r i U x g l h v , R I F h s d u w p h q w r i O d v k h p d m f v , M k d æ d E r æ h j h C p u w d u

T t t w S x " v y x x w x u x y ' x S t v

Z ' t 3 e 5 K 5 H l w P x p h u l f d o O h v k r g v l q G s r q h q v l d o H t u p i r u O x æ l g l p h q v l r q d o U h f r a g - d a g H x u k - r u g h u S x d v l d a q h d u R d u d e r d f R d u l d o F l i i h u h q v l d o G t x d v l r q v , F U V (U G T D) x a g h u E r u h T h v h d f k l u d q w (R C E O d v k h p d m f d o U l h a q f h) , C s u æ 2 0 1 9 - O d f k 2 0 2 2 , I P T 2 2 , 0 3 , 6 2 2 .

Z ' t 3 e 5 K 5 Q q v k h U s d a h U r æ l v r q r i O x æ l g l p h q v l r q d o J | s h u e r d f G t x d v l r q v , F U V (U G T D) x a g h u O C V T I E U R u r r h f w (R C E O d v k h p d m f d o U l h a q f h) , L x d 2 0 1 8 - L x q h 2 0 2 1 , I P T 6 , 6 0 , 0 0 0 .

f " ' t 3 Q x x t G p h j l a j H r q v l h u l q C s s d f d v l r q v r i U l j a h g l u d s k U w x f v x u h v R h u r g , F U V (U G T D) x a g h u O C V T I E U R u r r h f w (R C E O d v k h p d m f d o U l h a q f h) , L x d 2 0 1 9 - L x q h 2 0 2 2 , I P T T v 6 , 6 0 , 0 0 0 .

W " 3 c t t - T x e l r g h H d a q l d v l s h h { v a d s r æ l v r q r i u i x q f v l r q v s d f h v , F U V x a g h u O d v k h p d m f d o T h v h d f k l p s d f v E h q v l f U x s s r u w (O C V T I E U) , L x d 2 0 1 8 - L x q h 2 0 2 1 , w I P T 6 , 6 0 , 0 0 0 .

f ' t t 3 X t " X H a l l v h G æ h p h a q C q d d v l v r i U l a j x æ l u p R h u x u e h g R d u d e r d f R d u l d o F l i i h u h q v l d o F l i i h u h q f h G t x d v l r q v , F U V x a g h u O d v k h p d m f d o T h v h d f k l p s d f v E h q v l f U x s s r u w (O C V T I E U) , L x d 2 0 1 8 - L x q h 2 0 2 1 , I P T

6,60,000.

Ot t 3 Wzw'' P't w Fhvlj q dgg Csd f dvr qv ri Uz dup Kqvhøj hqf hedvng dç r ulvkp vir ugr qhvz dup dgg EQXIF 19 Us uhdg Ruhglf vlr q, Nyhus r r ol r s h Wqlyhuwlj WM xqghu lqvhuqdvir qdo fr æder udvlyh s ur rhf w Uhs vnp ehu 2020-Cxj xw2021, IP T 8,75,000.

Ot t 3 Wzw'' P't w Fhvlj q dgg Csd f dvr qv ri Uz dup Kqvhøj hqf hedvng dç r ulvkp vir ugr qhvz dup dgg EQXIF 19 Us uhdg Ruhglf vlr q, Nyhus r r ol r s h Wqlyhuwlj WM xqghu lqvhuqdvir qdo fr æder udvlyh s ur rhf w Uhs vnp ehu 2021-Cxj xw2022, IP T 8,75,000

Ot t 3 Wzw'' P't w FUV xqghu Odkhp dmf do Thvhdvk Ip sdf wEhqwlf Uks sr uw(OCVTEU), Lxç 2018-Lxqh 2021, IP T 6,60,000.

Y ' t ' 3 d 5 Z 5 Qt '' C Odkhp dmf do Uxg| ri Kqvlvr qlwlf Hk}}| Uhw z lvk Csd f dvr qv lq Rdvhuq Thfr j qlvr q, Odfklqh Nduqlaj dgg Ip dj h Rur fhvlaj , FUV(UGTD) xqghu OCVTEU Rur rhf w(RCE Odkhp dmf do Uf lqhfh), Oduf k 2020 - Oduf k 2023, IP T 6,60,000

Rw'' "t 6ex "x " z t w exyx xx" z N " x

Z ' t e5X5G hylhz hg uhvdfk s ds hur i vkh Lrxuqdo-Csd dhg Odkhp dmf v dgg Er p s xvdlr qv, Csd dhg Pxp hul do Odkhp dmf v, Kqvhudv qdo Lrxuqdo ri Er p s xvhu Odkhp dmf v, Csd dhg Odkhp dmf do Or ghøj , Pxp hul do Ohvkr gv ir u Rduldo Fliihuhqvdo Gt xdvir qv, Gaj lqhhdaj Er p s xvdlr qv, Gaj lqhhdaj z lvk Er p s xvhu, Lrxuqdo ri Er p s xvdlr qdo dgg Csd dhg Odkhp dmf v, .hv. gxudaj 2021.

f'' t Qxx t GThylhz hg uhvdfk s ds hur i uP dvr qdodgg lqvhuqdvir qdo Lrxuqdo ri klj k lp s df w idf w u dnh F lfv hvh Csd dhg Odkhp dmf v, l uds kv dgg Er p elqdv uf v, Kqvhudv qdo Lrxuqdo ri RK| vlf do Uf lqhfh hv hv., P dvr qdo Cf dghp | ri Uf lqhfh Nhwhu, F lfv xvtr qhv Odkhp dmf dh l uds k Vkr ul , Rur fhglaj v ri vkh P dvr qdo Cf dghp | ri Uf lqhfh, Kqgd, Us daj hu Rax, CMEG Kqvhudv qdo Lrxuqdo ri l uds kv dgg Er p elqdv uf v

f'' t Qxx t 3 Cvr fldv Gglw u- OCVJ GO CVIEC OQTCIEC, Rxedvkg e| Hd f xovri Vhfklf do Uf lqhfh v d dn, Wqlyhuwlj ri Mudj xthydf, Fhs duv hq w ri Odkhp dmf v, Uyhvj Udyh65,32000 d dn, Uhueld.

f'' t Qxx t 3 Cvr fldv Gglw u Lrxuqdo ri Er p elqdv uf v, Kqir up dvr q & Uj vhp Uf lqhfh (LEKU), C S xdvhuq Kqvhudv qdo Uf lqvli f Lrxuqdo LEKU lv d Rxedv dvr q ri Çt ux p ir ukvhuqlv f ls dgdj Odkhp dmf v(HO).

W'' ct t-3N v't x Rw'' - Gxudv dgg Odkhp dmf do Lrxuqdo Lrxuqdo ri Kqht xdvhu dgg Us hf ldo Hk qf vlr qv, Cgydqf hv lq Kqht xdvhu dgg Csd f dvr qv, Lrxuqdo ri P hs do Odkhp Uf lhv.

W'' 3ct t-3Thylhz hg d qxp ehur i dmf dvir uCp hul dgg Odkhp dmf do Uf lhv.

W'' 3ct t-3Thihuhg vhyhudo dmf dvir uydur xv uhs xvng v f lqvli f mxudv.

W'' 3ct t-3G vhuqdo G dp lqhvir uvhyhudo RkF Vkhvlr i ydur xv xqlyhuwlhv.

f' t t 3 Xt '' X3 Ohp ehur i O d q x v f u s w Rur fhvlaj Er p p lwhh, Fliihuhqvdo Gt xdvir qv dgg F | qdp lf do Uj vhp v, Us daj hu

f' t t 3 Xt '' X3 Thihuhg vhyhudo dmf dvir i ydur xv uhs xvng v f lqvli f mxudv.

f' t t 3 Xt '' X3G vhuqdo G dp lqhvir uvhyhudo RkF Vkhvlr i ydur xv xqlyhuwlhv.

Ot t 3 Wzw'' P't w Gglw u lq Eklhi Ohvkr gv Z, s xedvkg e| Gvhyhu

Ot t 3 Wzw'' P't w Udhv Gglw u Cç r ulvkp v ir u Kqvhøj hqv Uj vhp v, s xedvkg e| Us daj hu

Ot t 3 Wzw'' P't w Udhv Gglw u Uxglhv lq Cxw q r p lf, g d v l - g u y h q d g g K q g x w u d o E r p s x v l a j , s x e d v k h g e | U s d a j h u

Ot t 3 Wzw'' P't w Cvr fldv Gglw u Gaj lqhhdaj Csd f dvr qvri Cuvli f l d d q v h o j h q f h , s x e d v k h g e | G v h y h u

Ot t 3 Wzw'' P't w Cvr fldv Gglw u Cu d | , s x e d v k h g e | G v h y h u

Ot t 3 Wzw'' P't w Cvr fldv Gglw u Kqvhudv qdo Lrxuqdo ri Uj vhp Cvvxudqf h Gaj lqhhdaj dgg Odqj hp hqws xedvkg e| Us daj hu

Ot t 3 Wzw'' P't w Gglw u lq Eklhi Kqvhudv qdo Lrxuqdo ri Uz dup Kqvhøj hqf h, s x e d v k h g e | G v h y h u N r k d q l , S O F d q l v k T h y l z h g d q x p e h u r i d m f d v i r u K G G V u d q v f v r q r q H k } } | U j v h p v .

Y ' t ' 3 d Z Q t '' 3Thihuhg vhyhudo dmf dvir uydur xv uhs xvng v f lqvli f mxudv.

f't t ' 3ft -X t 3Thylhz hg d qxp ehur i dmf dvir u Cp hul dgg Odkhp dmf do Uf lhv.

f't t ' 3ft -X t 3Thihuhg vhyhudo dmf dvir uydur xv uhs xvng v f lqvli f mxudv.

N " x Z x u x ' " y at " t 6/ x t " t O w'x

f'' t 3 Qxx t 3 W'' f x v x t 3 Kqgd Cf dghp | ir u Odkhp dmf do Or ghøj dgg Ulp xdvir q (KCOOU), xqghu vkh Chj lvr i Kqgd Kqvlv vhr i Vhfklf q r | Mdq s x u

f'' t 3 Qxx t 3 Nih Ohp ehur i vkh Kqgd Odkhp dmf do Uf lhv, Tdp d q x r d q O d k h p d m f d o U r f l h v j , C f d g h p | r i F l f v h v h O d k h p d m f v d a g C s s d f d v r q v , K q g d C f d g h p | i r u O d k h p d m f d o O r g h o j d a g U l p x a d v r q (K C O O U) , U r i w E r p s x v l a j T h v h d f k U r f l h v j .

W'' 3ct t-3 P v'' Z x ux 3 Kqgd Odkhp dmf do Uf lhv.

W'' 3ct t-3 Nih Ohp ehur i Kqgd Odkhp dmf do Uf lhv, Cækl dedg Odkhp dmf do Uf lhv, Ldp p x Odkhp dmf do Uf lhv. Ohp ehur i Cp hul dgg Odkhp dmf do Uf lhv.

f' t t 3 Xt '' X5 Nih Ohp ehur i vkh Kqgd Odkhp dmf do Uf lhv.

f' t t 3 Xt '' X5 Nih Ohp ehur i Kqgd Uf lhv ri Kqgxwudv dgg Csd dhg Odkhp dmf v

f' t t 3 Xt '' X5 Nih Ohp ehur i E d f x w d O d k h p d m f d o U r f l h v j .

Ot t 3 Wzw'' P't w l h q h u d o U h f u h v u j , U r i w E r p s x v l a j T h v h d f k U r f l h v j , K q g d

Ot t 3 Wzw'' P't w Ohp ehur CRUCædqf h

Ot t 3 Wzw'' P't w Nih Ohp ehur i vkh Kqgd Odkhp dmf do Uf lhv.

Ot t 3 Wzw'' P't w Nih Ohp ehur i E u s w j u d s k | T h v h d f k U r f l h v j r i K q g d .

Y ' t ' 3 d Z Q t '' 3 Ohp ehur KGG Uf lhv v l q f h 2015.

Y ' t ' 3 d Z Q t '' 3 Ohp ehur KGG Er p s xvdlr qdo Uf lhv.

f't t ' 3ft -X t 3 Nih Ohp ehur i vkh Kqgd Odkhp dmf do Uf lhv, Kqgd Cf dghp | ir u Odkhp dmf do Or ghøj dgg Ulp xdvir q (KCOOU) dgg E d f x w d O d k h p d m f d o U r f l h v j .

c u "vt "

Z ' t 3e5X5 dgg DR I J QW (2021), Cvr vlv w d l d v j r i d q l p s d f l w p h v k r g e d v h g r q v k l u g - r u g h u r i i - v h s g l v f u h v j d v r q i r u v k h l q l v d o y d o x h s u r e d h p r q d j u d g h p h v k , G a j l q h h u a j z l v k E r p s x v h u , X r o 37 , s s . 809-822.

Z ' t 3e5K3 TCXIFTC MWOCT dgg PKKVC UGVIC (2021), Exelf vs d q h d s s u r { l p d v r q e d v h g r q k d o - v h s

glv f u h v j d v r q i r u 2 F t x d v d q h d u h a s v i f h t x d v r q v , K q v h u q d v r q d o L r x u q d o i r u E r p s x v d l r q d o O h v k r g v l q G a j l q h h u a j U f l h q f h & O h f k d q l f v , X r o 22 , s s . 45-59.

Z ' t 3e5X5 dgg UCEJ IP UJ CTOC (2021), C q h z k l j k - u h v r a v r q v z r - d o y h o l p s d f l w p h v k r g e d v h g r q q r q - s r d q r p l d o v s d q h l q v h q v r q d s s u r { l p d v r q v i r u v l p h - g h s h a g h q w t x d v l - d q h d u e l k d u p r q l f h t x d v r q v z l v k h a j l q h h u a j d s d f d v r q v , G a j l q h h u a j z l v k E r p s x v h u , X r o 37 , s s . 2073-2087.

Z ' t 3e5X5N [WCP dgg F K [C UJ CTOC (2021), C q h z h { s r q h q v d o f r p s d f w v f k h p h i r u v k h v z r - g l p h q v r q d o x q w h d g | q r q d q h d u D x j h u / d a g P d y l h u U w n h v h t x d v r q v l q s r æ u f | d a g u f d o f r r u g l q d v h v , P x p h u l d o O d k h p d m f v : V k h r u j , O h v k r g v d a g C s s d f d v r q v , X r o 14 , s s . 488-507.

Z ' t 3e5X5DR I J QW dgg UGCP Of MGG (2021), Qq vkh devr avh v d l d v j r i d v z r - v h s v k l u g r u g h u p h v k r g r q d j u d g h p h v k i r u d q l q l w d o y d o x h s u r e d h p , E r p s x v d l r q d a d a g C s s d h g O d k h p d m f v , X r o 40 , I F : 35.

Z ' t 3e5X5MCLCN O KVCN dgg F GGRVKMCWT (2021), C q h z k l j k d f f x u d f | r i i - v h s f x e l f v s d q h d s s u r { l p d v r q v r q d t x d v l - y d l d e d h p h v k i r u v k h v l v h p r i q r q d q h d u s d u d e r d f h t x d v r q v l q r q h v s d f h g l p h q v r q , K q v h u q d v r q d o L r x u q d o i r u E r p s x v d l r q d o O h v k r g v l q G a j l q h h u a j U f l h q f h & O h f k d q l f v , X r o 22 , s s . 123-137.

Z ' t 3e5X5 dgg UCEJ IP UJ CTOC (2021), C q h z k l j k d f f x u d f | p h v k r g e d v h g r q r i i - v h s f x e l f s r d q r p l d o d s s u r { l p d v r q v i r u v k h v r a v r q r i f r x s d h g D x j h u / h t x d v r q v d a g D x j h u - J x { d h | h t x d v r q , G a j l q h h u a j z l v k E r p s x v h u , X r o 37 , s s . 3049-3066.

I GGVCPC OPEJ CPFC, **Z ' t 3e5X5** dgg CTWCF M J CP (2021), C k l j k d f f x u d f | f r p s d f w v h p l - f r q w d q w p h v k r i i - v h s g l v f u h v j d v r q l q h { s r q h q v d o i r u p i r u v k h v r a v r q r i q r q - d q h d u h a s v i f e r x a g g d j y d o x h s u r e d h p v , L r x u q d o r i F l i i h u q f h G t x d v r q v d a g C s s d f d v r q v , X r o 27 , s s . 531-556.

f'' t 3 Qxx t 3 TCQ, CPKVC MWOCTK FCXXCL, D K CP (2021), Qq v r p h s u s h u l h v r i f r - p d f l p d j u d s k v r i f r p p x v d v y h u a j v , P d v r q d o C f d g h p | U f l h q f h N h w h u , X r o 44 (3) , s s . 437-442. F Q K 10.1007/v40009-020-01030- { .

f'' t 3 Qxx t 3 MCWT, DCDNGP (2021), U r p h d v s h f w r i } h u - g l y l v r u j u d s k v i r u v k h u a j r i l d x w d q l q v h j h u p r g x o 2 a 2 L r x u q d o r i C s s d h g O d k h p d m f v d a g E r p s x v l a j , F Q K 10.1007/v12190-021-01518-9.

f v UN3QRRcN3MCWT, DCDNGP (2021) dgg] CUNCXUM , V ,

Vkhfkduf vnuwvf s r f q r p l d o r i d j u d s k f r qvllqaj s r s v, F l v f h v h C s s d h g O d v k h p d m f v 300, 15 U l q k d, F h s d, F Q K 10.1016/nj d p 02021.04.025.

W" 3ct t-daq Tr klw O daj dn, E a w l f d o l q h t x d d w h v i r u (s; t)-f d f x o v r q i l q l v h l q v h u y d a r, D r o U r f. O d w O h f ., 45 (2021). F r l: 10.1007/v40590-021-00355-{.

C n k l d n k R u d a d g,] d p l u C. C q v d u d a g c t t - W " 3 R v h x g r - g l i i h u h q v d o r s h u d w u l q v k h i u d p h z r u n r i d q h d u f d q r q l f d o v a d q v i r u p g r p d i q, C v i d q - G x u r s h d q L O d v k ., 14 (2021), 2150117(18ss).

W" 3ct t-3 E k d a g u d q l D a v x d a g X l y h n R d a z d u Q q (s, t) - O h a d q V u d q v i r u p d a g C s s d f d v r q v, C f v a l O d v k h p d m f d U f l h q v i d, 41D(2021), 1719-1732.

W" 3ct t-E k d a g u d q l D a v x d a g X l y h n R d a z d u D - f r q v a x l v y i r u p x o l i x q f v i r q v e d v h g r q f a x v h u l a j, C } h u e d r i d q L O d v k ., 11 (2021), 3-14.

W" 3ct t-E k d a g u d q l D a v x d a g X l y h n R d a z d u Q q j - O h a d q v a d q v i r u p : f r q v w x f v i r q, f r q y h { l v y d a g d s s d f d v r q v, L k i h t . U s . H k q f w, 12 (2021), 23-41.

C a e h u w H r u h q j d d a g **W" 3ct t**-C i d p l o r i h t x l y d d h q w q r u p v i r u N e h v j x h v s d f h v, C u f k. O d v k ., 116 (2021), 179-192.

Wt3at " 30. Y d j d h j, P x p h u f d o d o j r u v k p i r u f r x s d h g y l v f r x v D x j h u h t x d v i r q x v i q t x d v i - y d u d e d h p h v k h v f r p s d f w r s h u d w u, C } h u e d r i d q L r x u q d o r i O d v k h p d m f v, 2021, 144-155

Wt3at " 3 p s d f w r i S x d v i - X d u d e d h P r g h v r q P x p h u f d o k v h j u d v i r q r i R d u d p h v h u - F h s h a g h q w f k q f v i r q v: C O d s d h U x l v h, k v h o j h q w N h d u l a j i r u E r p s x v h u X l v r q, U s u d a j h u U a j d s r u h, 61:455-462, (2021)

C.M O l v d, T. R d v h o a t " **Wt3** O r g h d a j v k h h i i h f w r i l a v h f v l g h v d a g h f v h u q d o h i i r u w r q f u r s s u r g x f v i r q, P r q d q h d u C a d d f v i v: O r g h o a j d a g E r q w r o 26(6), (2021) 1012 1030

U k l v x U a j k, **O t t 3 W z w "** ' P' t w G " O x v a l r q - g u y h q l u h j Y r o Q s v l p l } h u z l v k O r g l i i h g U h d f k O h f k d a l p v, G { s h u w U j v w h p v Y l w k C s s o l f d w i r q v, k w s v: // g r l r u j / 10.1016/nj w d.2021.116450

U d n v k l U k u l a j l, J d u l v k U k d u p d, R x v k s d P d u l d a T d v k l h, **O t t 3 W z w "** ' P' t w 3 C v x f d P d j d u O r g l i i h g U R F O r g h o i r u E Q X I F - 19 U s u d g R u h g l f v i r q i r u P r u k h u q d a g U r x v k h u q U a d v h v r i k q g l d, E k d r v, U r d v r q v & H u d f v a l a r, X r o x p h 1 4 8, 2 0 2 1, 1 1 1 0 3 9, k w s v: // g r l r u j / 10.1016/nf i k d r v.2021.111039

L r v k l, U k v k h h o M k p d u C v k x d l r s d o U k l v x U a j k, C v x f d M P d j d u d a g **O t t 3 W z w "** ' P' t w 5 " C q r y h o q h l j k e r u k r r g d u k l y h v h p e h g g h j u d y l v a l r q d o f r q w a l q w l q l U C." U r i w E r p s x v l a j 25, q r . 8 (2021): 6539-6555.

U k d u p d, P l u p d a l, J d u l v k U k d u p d, C r a l U k d u p d, d a g **O t t 3 W z w "** ' P' t w 5 " l u d v k r s s h u l q v s l u h g d u i l f l d o e h h f r o q l d o j r u v k p i r u q x p h u f d o r s v l p l v d v i r q." L r x u q d o r i G s h u p h q w a l o & V k h r u h v i f d o C u l i l f l d o k v h o j h a f h 33, q r . 3 (2021): 363-381.

L r v k l, U k v k h h o M k p d u d a g **O t t 3 W z w "** ' P' t w 5 " C e l a d u l y d u d q w r i j u d y l v a l r q d o v h d u f k d o j r u v k p d a g l w d s s d f d v r q w z l a g i d u p a l r x w r s v l p l } d v i r q s u r e d h p ." d u Z l y s t h s u q v d u Z l y: 2107.11844 (2021).

M a x v k d o O h h q d n v k l, Y ' t " 3 d 5 Z 5 Q t " " C i h q h u d o h g l a v x l v r q l w l f i x } } | f - p h d q v f a x v h u l a j d o j r u v k p x v l a j d a d g d s v y h l a v x l v r q l w l f i x } } l i l f d v i r q v h f k a l t x h. l u d a x a u E r p s x v l a j 7, q r . 1 (2021): 183-195.

C v k u d i,] x e d l u F h h s l n d O d d r w a l, R u d a d e M O x k x u l, Y ' t " 3 d 5 Z 5 Q t " " C i k v h u y d o V s h - 2 H k } } | X h a g r u O d a d j h g k y h q w u l U j w h p d a g K v U r o x l v r q z l v k R d u l f d h U z d u p Q s v l p l } d v i r q. k v h u q d v i r q d o L r x u q d o r i H k } } | U j w h p v 23, q r . 7 (2021): 2080-2105.

U r a l a n l, T l a n l, Y ' t " 3 d 5 Z 5 Q t " " 3 R u d a d e M O x k x u l, C i r u e d e l o w l f k v x l v r q l w l f H k } } | F h f l v i r q O d n l a j C o j r u v k p v. I G G C f f h w 9, (2021): 99651-99666.

C v k u d i,] x e d l u O r k g U k r d l e M k d a, C v k x w v k V z d u, Y ' t " 3 d 5 Z 5 Q t " " 3 C i i i h u h q f h v h t x h q f h - e d v h g g l w a d q f h p h d x u h i r u l a v x l v r q l w l f i x } } | v h w d a g l w d s s d f d v r q l q g h f l v r q p d n l a j s u r f h w. U r i w E r p s x v l a j 25, q r . 14 (2021): 9139-9161.

O x a g M l a l v k, O h h q d n v k l M a x v k d o Y ' t " 3 d 5 Z 5 Q t " " 3 U x q l o M k p d u C i k v h u y d o v s h - 2 i x } } | F G C. O d v k h p d m f v l q G a j l a h h u d a j, U f l h a f h d a g & C h u r v s d f h 12, q r . 2 (2021): 357-371.

T r q r e l u E k d a g u d U d n h u f t' t " 3 f t - X t C r d w h u q H r u p d v i r q l q G l g h p l f O r g h o z l v k O h g l d E r y h u d j h F l i i h u h q w d o G t x d v i r q v d a g F | q d p l f d o U j w h p v, k w s v: // g r l r u j / 10.1007/v12591-022-00595-{.

N " v x P' t x " W t

O t t 3 W z w " ' P' t w 3 O d u l q R d s u j f n l, O r q l f d D i d a f k l a l, d a g U d a m | F d v, h g v. E r p s x v e l v r q d a l k v h o j h q v U j w h p v d a g V k h l u C s s d f d v r q v. U s u d a j h u 2021.

O t t 3 W z w " ' P' t w 3 N d a f h E k x q E k h H k a j, O l a l q U p l f, d a g C a n x v k l k r v k, h g v. C y d a f h v l q C s s d f d v r q v r i F d v a - g u y h q E r p s x v l a j . U s u d a j h u 2021.

W g g l a, O r k d p p d g U k r u i, d a g **O t t 3 W z w "** ' P' t w h g v. E r p s x v h u X l v r q d a g O d f k l a h N h d u l a j l a C j u l f x o x t h. U s u d a j h u 2021.

Xx x N w w x x t w V " x w g t

Z ' t 3 e 5 X 5 / c x " w x ' t t w w x " t " x 0 k v h u q d v i r q d o z h e l a d u r q C i j k h u G g x f d v i r q l q U r x v k C v l d r u j d a l } h g e l v k h F h s d u p h a q w r i k v h u q d v i r q d o T h a v i r q v, U r x v k C v l d q W a l y h u l v y l q f r a e l e r u d v i r q z l v k v k D u j j h R u r h f w q 18 H e u d u j 2021.

Z ' t 3 e 5 X 5 / c x " w x ' t t w w x " t " x 0 U { v k k v h u q d v i r q d o E r q i h u h q f h r q C i r x v k C v l d q G r q r p l f F h y h o s p h a w r u j d a l } h g e l v k h H d f x o l y r i G r q r p l f v, U r x v k C v l d q W a l y h u l v y r q 25 v k H e u d u j 2021.

Z ' t 3 e 5 X 5 / c x " w x ' t t w w x " t " x 0 k v h u q d v i r q d o E r q i h u h q f h r q C i r h u i r p d v y h U d g l v r q v l q C v l d r u j d a l } h g e l v k h F h s d u p h a q w r i U r f l r o j |, U r x v k C v l d q W a l y h u l v y r q 29 v k C s u a 2021.

Z ' t 3 e 5 X 5 / P' t " x w f x " " t " x 0 k v h u q d v i r q d o E r q i h u h q f h r q C i k } } | O d v k h p d m f d o C a d d f v i v d a g C y d a f h v l q E r p s x v a l r q d o O d v k h p d m f v r u j d a l v h g e l v k h F h s d u p h a q w r i O d v k h p d m f v, R r a g l f k h u j E h a q w a d o W a l y h u l v y r q 26 v k H e u d u j 2021.

f " ' t 3 Q x x t 4 C q l a y l v h g v a l o n r q C i h f x u l v y r i P h v z r u n v l q V k h U x p p h u Y l a v h u U f k r r o ' O x a l g l v f l s d a d u j ' v k u x j k y l u x d o p r g h r u j d a l } h g e l v k h W E - J x p d a T h v r x u f h F h y h o s p h a w E h q w h, D J W i r u E r a o j h d a g W a l y h u l v y v h d f k h u i r p L d a x d u j 16 w 29, 2021.

f " ' t 3 Q x x t 4 C q l a y l v h g v a l o n r q C i j q h g P h v z r u n C s s d f d v r q i r u P h v z r u n U h f x u l v y d w C i h i h v k h u E r x u h l q O d v k h p d m f v r u j d a l } h g e l v k h F h s d u p h a q w r i O d v k h p d m f v, T d p d a x r a d q E r a o j h, l q f r a e l e r u d v i r q z l v k V h d f k l a j N h d u l a j E h q w h, T d p d a x r a d q E r a o j h, W a l y h u l v y r i F h k l g x u d a j 16-30 O d u f k 2021.

f " ' t 3 Q x x t 4 C q l a y l v h g v a l o n r q " P h z H r q v h u l q v k h V k h r u j r i U j q h g l u d s k v: G a f u j s v i r q - F h f u j s v i r q " i r u v k h H d f x o l y F h y h o s p h a w R u r j u d p r q C e r q v h p s r u d u j V h a g v l q U f l h a f h d a g V h f k a r o j | d w C p l v y U f k r r o i G a j l a h h u d a j d a g V h f k a r o j |, R d v a d g x u d a j 5-9 C s u o 2021.

f " ' t 3 Q x x t 4 g h d y h u g v z r d i f v x u v r q v k h w s l f " H k o H u h a g g o k q g h { U h v l q r q d a h z r u n v k r s r q T h f h a w h a g v l q F r p l a d v i r q d a g l u d s k N d e h a l a j (T V F I N 2021) r u j d a l } h g e l F h s d u p h a q w r i O d v k h p d m f v, T d p d a x r a d q E r a o j h, W a l y h u l v y r i F h k l l q f r a e l e r u d v i r q z l v k C f d g h p | r i F l v f h v h O d v k h p d m f v d a g C s s d f d v r q v (C F O C) g x u d a j 27 v k O d | 2021 w 31 w O d | 2021.

f " ' t 3 Q x x t 4 g h d y h u g i r x u d i f v x u v r q v k h w s l f C i l u d s k V k h r u j d a g l w d s s d f d v r q v " l q H k a g d p h a q v e l o r i l u d s k V k h r u j l q F R - 56, r u j d a l v h g e l H d f x o l y F h y h o s p h a w E h q w h d w J d a v T d n E r a o j h, W a l y h u l v y r i F h k l g x u d a j U s v h p e h u 15-21, 2021.

f " ' t 3 Q x x t 4 C q l a y l v h g v a l o n r q C i j q - T h j x a e u U j q h g l u d s k v d a g l w G p e h g g l a j v v k u x j k l r r j d h O h h w g x u d a j v k h C 27 v k k v h u q d v i r q d o E r q i h u h q f h r i v k h k v h u q d v i r q d o C f d g h p | r i R k | v i f d o U f l h a f h v r q l u d s k V k h r u j d a g C s s d f d v r q v (E Q P I C R U - Z Z X K I V C - 2021) r q Q f w e h u 27, 2021 m l a q v o r u j d a l v h g e l U f k r r o r i R k | v i f d o d a g C s s d h g U f l h a f h v r i l r d W a l y h u l v y, l r d - k a g l d d a g v k h k v h u q d v i r q d o C f d g h p | r i R k | v i f d o U f l h a f h v (I C R U) R u d j u d i r k a g l d.

f " ' t 3 Q x x t 4 C q l a y l v h g v a l o n r q C i s h f v a d o C a d d f v i v r i U j q h g U r f l d o P h v z r u n v l q v k h 27 v k k v h u q d v i r q d o E r q i h u h q f h r i k v h u q d v i r q d o C f d g h p | r i R k | v i f d o U f l h a f h v (E Q P I C R U Z Z X K I r q " T h f h a w C y d a f h v l q O d v k h p d m f d o d a g E r p s x v a l v r q d o Q s v l p l } d v i r q v (T C O E Q - 2021) " (Q P N P G) L r l a q v o r u j d a l } h g e l U f k r r o r i E r p s x v a l v r q d o d a g k v h j u d v y h U f l h a f h v, L P W P h z F h k l d a g k v h u q d v i r q d o C f d g h p | r i R k | v i f d o U f l h a f h v (I C R U), g x u d a j Q f w e h u 26-28, 2021.

f " ' t 3 Q x x t 4 C q l a y l v h g v a l o n r q C i R G E V T C N C P C N U K U Q H w R C V J U K P G F I T C R J U l a d z h n d r q d a h v h p l a d u r q l u d s k v, p d m f h v, d a g d s s d f d v r q v l q v k h F h s d u p h a q w r i O d v k h p d m f v, W M k d u j s x u i r p L x d 2020 r q Q f w e h u 29, 2021.

f " ' t 3 Q x x t 4 C q l a y l v h g v a l o n r q C i p e h g g l a j r i U j q - u j x a e u U j q h g l u d s k v d a g l w U s h f v a d o d a d f v i v l q k v h u q d v i r q d o U j p s r v i x p: C s s d h g O d v k h p d m f v, O r g h d a j, C a d d f v i v d a g U l p x a v i r q v (K U C O O C U), m l a q v o r u j d a l v h g e l F h s d u p h a q w r i O d v k h p d m f v, U r x v k C v l d q W a l y h u l v y, F h k l, d a g H d f x o l y r i U f l h a f h, W a l y h u l v y r i E r o p e r, U l N d a n d g x u d a j 24-26 P r y h p e h u 2021, (y l u x d a p r g h).

f " ' t 3 Q x x t 4 C q l a y l v h g v a l o n r q C i j q h g P h v z r u n C s s d f d v r q H u P h v z r u n U h f x u l v y d a g C i l u d s k V k h r u j C s s d f d v r q v k q Q a d a h U r f l d o P h v z r u n v k h F h s d u p h a q w r i O d v k h p d m f v, F h k e d a g k x E r a o j h, W a l y h u l v y r i F h k l, F h k l l q f r a e l e r u d v i r q z l v k V h d f k l a j N h d u l a j E h q w h (V N E), T d p d a x r a d q E r a o j h, W a l y h u l v y r i F h k l x a g h u v k h x p e u h a d r i R a d a g l w O d g d a O r k d a O d o j l d P d v i r q d o O l v i r q r q V h d f k h u d a g V h d f k l a j v f k h p h (R O O P O W), O J T F, l r y w r i k a g l d l v s a e q l a j w r u j d a l } h d v z - z h n Q a d a h T h i h v k h u E r x u h (T E) r q C s s d f d e d h O d v k h p d m f v' (C O) g x u d a j F h f h p e h u 15-29, 2021.

W" 3ct t-C q l a y l v h g v a l o n r q C i j q h a h u d o h g J d x v g r u i

r s hudv w, lq vkh O lq l-U p s r vlx p : C s s dhg O d v k h p d v f v, O r gh d a j , C q d d v i v d a g U p x a e v r q v, k h a g d w W a q l y h u l v y r i E r o p e r g x u d a j P r y h p e h u 2 4 - 2 5, 2 0 2 1.

W" 3ct t-GCq lqylvng valon r q Ő dxvgr ũi d a g F x q n e J d x v g r ũ i r s h u d v w l q v k h 6 8 v k C q q x d o E r q i h u q f h r i D k d u d w l d a l v e l R d u v k d g k h a g d w U k u l T a p U z d u r r s O h p r u d o W a q l y h u l v y, N k f n q r z g x u d a j P r y h p e h u 1 7 - 1 8, 2 0 1 2 1.

W" 3ct t-GCq lqylvng valon r q "K q h t x d d v h v d a g v k h l u f r q q h f v r q z l v k i x q f v r q v s d f h v" l q v k h r q h z h n n H F R r q "O d v k h p d v f d o d q d d v i v d a g l v e d s d f d v r q v" r ũ j d a l j h g e l X l y h n d q d a g d E r o h j h, W a q l y h u l v y r i F h k l, g x u d a j L x d 2 6 - 3 1, 2 0 2 1.

f' t t3Xt " X g h d y h u g d s o h q d ũ j v a l o n r q U a j x a e ũ j R h u x u e h g R u r e d h p v: K v x h v & E k d a e h a j h v, 5 v k K q v n u q d v r q d o E r q i h u q f h r q T h f h q w C g y d q f h v l q O d v k h p d v f d o U f l h q f h v d a g l w C s s d f d v r q v, L K V, P r l g d, F h f h p e h u 2 - 4, 2 0 2 1.

f' t t3Xt " X g h d y h u g d a l q y l v n g v a l o n Ő r e x v w P x p h u f d o o h v k r g v i r u l a j x a e ũ j R h u x u e h g R u r e d h p v l q K q v n u q d v r q d o U l p s r v l x p: C s s d h g O d v k h p d v f v, O r g h d a j , C q d d v i v d a g U p x a e v r q v (K C O O C U), m l q v e l r ũ j d a l j h g e l F h s d u p h q w r i O d v k h p d v f v, U r x v k C v i d a W a q l y h u l v y, F h k l, d a g H f x o l y r i U f l h q f h, W a q l y h u l v y r i E r o p e r, ũ l N d q n d g x u d a j 2 4 - 2 6 P r y h p e h u 2 0 2 1.

f' t t3Xt " X g h d y h u g r x u d n f v x h v d v d t h v r x u f h s h u r q l q v n d f k h u v G a l f k p h q w Y r u n v k r s r q F l i i h u q v l d o G t x d v r q v d a g l w C s s d f d v r q v, F h v k e d a g k x E r o h j h, W a q l y h u l v y r i F h k l, P h z F h k l, O d f k 1 5 - 2 8, 2 0 2 1.

f' t t3Xt " X g h d y h u g d a l q y l v n g v a l o n r q Ő g r o v l r q r i C s s u r { l p d v n O h v k r g v w U r g y v k h K q l v d o X d a x R u r e d h p v, P d v r q d o U h p l a d u r q G o h j l a j V u h a g v l q C s s d h g O d v k h p d v f v, W K V, R d q r d e W a q l y h u l v y, E k d a g l j d u k, F h e x d ũ j 2 7, 2 0 2 1.

Wt3at " (T h v r x u f h s h u r q) E r p s x v e l v r q d o v f k h p h i r u g l i i h u q v l d o h t x d v r q v x v l a j T d g l d o e d v i v q h v z r u n, V n d f k h u e G a l f k p h q w Y r u n v k r s (V G Y) r q F l i i h u q v l d o G t x d v r q v d a g l w C s s d f d v r q v (F G C) 2 0 2 1" r q O d f k 1 5 - 2 8, 2 0 2 1, F h s d u p h q w r i O d v k h p d v f v, F h v k e d a g k x E r o h j h, W a q l y h u l v y r i F h k l, d a g v k h P d v r q d o E h q w h i r u O d v k h p d v f v, K q g l d.

Wt3at " (T h v r x u f h s h u r q) R d u l d o g l i i h u q v l d o h t x d v r q v d a g v k h l u d s s d f d v r q v l q k x p d a s k l v l r o j j, U k r u w v h u p v a l l a j s u r j a d p r q v r o v l r q r i g l i i h u q v l d o h t x d v r q v d a g l w d s s d f d v r q v, L d q x d ũ j 0 4 - 0 8, 2 0 2 1, F h s d u p h q w r i O d v k h p d v f v, R d q g l w f h h a g d l d a R h v r d n x p

W a q l y h u l v y, l d a g k l a j d j d u k q g l d.

Wt3at " (T h v r x u f h s h u r q) P r q d q h d u f r q y h f v l r q g l i i x v l r q p r g h a v & f r p s x v e l v r q d o v f k h p h v, 2 6 - C x j - 2 0 2 1. T h i h v k h u f r x u h l q f r p s x v e l v r q d o d a g p d v k h p d v f d o v f l h q f h v, W E - J x p d a T h v r x u f h F h y h o s p h a q E h q w h, L d p l d O l a e d K a e l p l d, P h z F h k l.

Ot t 3Wzw" ' P' t w (K q y l v n g N h f v x u h) K q g l d a T d l a z d l v K q v l v x v n r i V u d a q v s r u w O d a j d j h p h q w N k f n q r z Ő v h a g v l q K C d g k d u l R U, F d v e l N r j j h u h v e. C W W U V 9 V Q 1 3, 2 0 2 1

Ot t 3Wzw" ' P' t w (K q y l v n g N h f v x u h) K q g l d a T d l a z d l v K q v l v x v n r i V u d a q v s r u w O d a j d j h p h q w N k f n q r z Ő v k l f d o N h d g h u k l s & G p r v l r q d d q v n o j h a f h C R T K N 1 2 V Q 1 6, 2 0 2 1

Ot t 3Wzw" ' P' t w (M h j q r v n V d o n) K q v n u q d v r q d o E r q i h u q f h Q q O d v k h p d v f v & E r p s x v e l v r q (K E O E - 2 0 2 1) T a m l d G a j l a h h u l a j E r o h j h, M l a q d a x n t k q g l d Q f w e h u 2 2 a g 2 3 u g, 2 0 2 1

Ot t 3Wzw" ' P' t w (K q y l v n g N h f v x u h) C K E V G b C V C N H F R r ũ j d a l j h g e l v k h F h s d u p h q w r i O d v k h p d v f v, F d l d a d q d d U d j d u E r o h j h r i G a j l a h h u l a j, D h a j d a x u k, K q g l d. V k h H F R l v r q " E r p s x v e l v r q d o O d v k h p d v f v d a g C u l i l f l d d o K q v n o j h a f h i r u G a j l a h h u" i u r p 1 3 v k w 1 7 v k r i F h f h p e h u 2 0 2 1.

ft' t "3ft - X t Ő C V N C D Y r u n v k r s r q Ő E r p s x v e l v r q d o V r r o i r u T h v h d u f k l q U f l h q f h d a g V n f k q r o j j | 2 0 2 1, C p l v y W a q l y h u l v y W v a d u R u d g h v k, P r l g d, O d l 2 4 v k - 2 9 v k 2 0 2 1.

ft' t "3ft - X t Ő C V J G O C V I E C Y r u n v k r s r q Ő E r p s x v e l v r q d o V r r o i r u T h v h d u f k l q U f l h q f h d a g V n f k q r o j j | 2 0 2 1, C p l v y W a q l y h u l v y W v a d u R u d g h v k, P r l g d, O d l 2 4 v k - 2 9 v k 2 0 2 1.

ft' t "3ft - X t G (l q y l v n g v a l o n) Ő p s r u a l a f h r i k p p x q r o j l f d o F h a e l d a g G f d s v h s k d v h l q J K K q i h f v l r q F j q d p l f v l q K q v n u q d v r q d o U l p s r v l x p: C s s d h g O d v k h p d v f v, O r g h d a j , C q d d v i v d a g U p x a e v r q v (K U C O O C U), m l q v e l r ũ j d a l v h g e l F h s d u p h q w r i O d v k h p d v f v, U r x v k C v i d a W a q l y h u l v y, F h k l, d a g H f x o l y r i U f l h q f h, W a q l y h u l v y r i E r o p e r, ũ l N d q n d g x u d a j 2 4 - 2 6 P r y h p e h u 2 0 2 1,

ct x c x x xwt wYxv x Qx " x xw

Y' t "3d Z Qt " 3 d a g O C U d k l o s d s h u s u h v h q v n u w) K G G G K q v n u q d v r q d o f r q i h u q f h r q H k } } | U j v n o p v, H M J] - K G G G - 2 0 2 1, N k { h p e r x j . V l v n r i v k h s u h v h q v a l r q " R d u d e r d f K q v l v r q l w l f H k } } | e d v h g F d v e l G a y h o s p h a q C q d d v i v" i u r p 1 1 v k w 1 4 v k, L x d 2 0 2 1. (V k h u h v d u f k d u l f d n v d u h s x e d v k h g l q v k h s u r f h h g l a j v r i v k h f r q i h u q f h)

Y' t "3d Z Qt " d a g O r k g U k r d l e M k d q s d s h u

s u h v h q v n u w) K G G G K q v n u q d v r q d o f r q i h u q f h r q H k } } | U j v n o p v, H M J] - K G G G - 2 0 2 1, N k { h p e r x j . V l v n r i v k h s u h v h q v a l r q " P h f h w d ũ j d a g U k i i l f l h q w f r q g l v r q i r u v k h h { l w n q f h r i v k h C v a l q d v r y v K q v l v r q l w l f H k } } | e d v h g d g g l v l y h g h i l q l v n l a v n j u d o i u r p 1 1 v k w 1 4 v k, L x d 2 0 2 1. (V k h u h v d u f k d u l f d n v d u h s x e d v k h g l q v k h s u r f h h g l a j v r i v k h f r q i h u q f h)

N " x t v t w x " v t v " x x x

f" ' t3Qxx t4E k d l u h g v k h v h v l r q l q v k h 3 u g K q v n u q d v r q d o E r q i h u q f h r q Ő - L r q v h u r i U f l h q f h d a g V n f k q r o j j | - 2 0 2 1 (K E H U V - 2 1) " l q y l u x d a p r g h: M G V I T Q W R Q H R U M K W W Q P U, I J C J I C D C F, F h s d u p h q w r i C s s d h g U f l h q f h v g x u d a j 1 3 - 1 4 C W W U V 2 0 2 1.

f" ' t3Qxx t4 E k d l u h g v z r v h v l r q v l q v k h 2 7 v k K q v n u q d v r q d o E r q i h u q f h r i K q v n u q d v r q d o C f d g h p | r i R k | v l f d o U f l h q f h v (E Q P I C R U Z Z X H R q " T h f h a q C g y d q f h v l q O d v k h p d v f d o d a g E r p s x v e l v r q d o Q s v l p l } d v r q v (T C O E Q - 2 0 2 1) " (Q P N P G) L r l a q v e l r ũ j d a l j h g e l U f k r r o r i E r p s x v e l v r q d o d a g K q v n j u d v l y h U f l h q f h v, L P W, P h z F h k l d a g K q v n u q d v r q d o C f d g h p | r i R k | v l f d o U f l h q f h v (I C R U), g x u d a j Q f w e h u 2 6 - 2 8, 2 0 2 1.

W" 3ct t-G E k d l u h g d v h v l r q l q v k h 8 7 v k C q q x d o E r q i h u q f h r i v k h K q g l d a O d v k h p d v f d o U r f l h v y - C q K q v n u q d v r q d o O h h w Q j d a l v h g e l L d z d k d u e l o P h k u x G a j l a h h u l a j E r o h j h, O l O W a q l y h u l v y, C x u d a j d e d g x u d a j F h f h p e h u 4 - 7, 2 0 2 1.

f' t t3Xt " XG E k d l u h g d v h v l r q l q v k h 2 7 v k K q v n u q d v r q d o E r q i h u q f h r i K q v n u q d v r q d o C f d g h p | r i R k | v l f d o U f l h q f h v (E Q P I C R U Z Z X H R q " T h f h a q C g y d q f h v l q O d v k h p d v f d o d a g E r p s x v e l v r q d o Q s v l p l } d v r q v (T C O E Q - 2 0 2 1) " L r l a q v e l r ũ j d a l j h g e l U f k r r o r i E r p s x v e l v r q d o d a g K q v n j u d v l y h U f l h q f h v, L P W, P h z F h k l d a g K q v n u q d v r q d o C f d g h p | r i R k | v l f d o U f l h q f h v (I C R U), g x u d a j Q f w e h u 2 6 - 2 8, 2 0 2 1.

Rw' xwf xv't V x Rw' xwG Ot t 3Wzw" ' P' t w M x v p F h h s, d a g C w o p d M P d j d u " U s h f l d d v x h r q v z d u p l a q v n o j h a f h d a g l w d s s d f d v r q v w h a j l a h h u l a j. L r x u d o h y r o v l r q d ũ l a q v n o j h a f h." G y r o v l r q d ũ l K q v n o j h a f h 1 4. 3 (2 0 2 1): 1 1 8 7 - 1 1 8 8.

Ot t 3Wzw" ' P' t w/Tx x t P' t " 0 5 v k K q v n u q d v r q d o L r l a q v E r q i h u q f h r q C g y d q f h v l q E r p s x v e l v r q d o K q v n o j h a f h (K E C E K 2 0 2 1), m l q v e l r ũ j d a l j h g e l U r x v k C v i d a W a q l y h u l v y, F d i i r g l o K q v n u q d v r q d o W a q l y h u l v y, F k a n d, D d a j a e g h v k r q Q f w e h u 2 3 - 2 4, 2 0 2 1.

Ot t 3Wzw" ' P' t w/Tx x t P' t " t w f x "

P' t " 02 a g E r q j u h w r q K q v n o j h a q w U j v n o p v (E K U 2 0 2 1) m l q v e l Q j d a l j h g e l U r i v E r p s x v l a j T h v h d u f k U r f l h v y d a g E J T K V (F h h p h g w e h W a q l y h u l v y), D h a j d a x u k, ũ s v n o p e h u 0 4 - 0 5, 2 0 2 1

b P " wBF

V k h s d a g h p l f f u d v n g d a d a e p l a j v l v x d v r q i r u v k h v x g h q w d a g v a l i i r i v k h F h s w r i O d v k h p d v f v, U C W e h j l a q l a j d u r x a g p l g - O d u f k 2 0 2 0. V k h F r O v z x a j l a q w d f v l r q d v r r q d v v k h s d a g h p l f v l v x d v r q e h f d p h u d o

C a x p e h u r i r a d q p h h v l a j v r i v k h F r O z h u h k h a g z k h u l q l p s r u e l a q w g h f l v l r q v d e r x w v k h F r O ' v i x q f v l r q l a j, l a q f a g l a j v n d f k l a j, u h v d u f k, h f d p l a q d v r q, d g p l v l r q v z h u h v a n h a q, v r p h r i z k l f k l a q f a g h g v k h i r o e z l a j:

C v s h u v k h s u r w f r o r i v k h k r w w f r x q v l, f a e v h v z h u h v x v s h a g h g i u p 1 8 v k O d u f k, 2 0 2 0 i r o e z h g e l f r p s d o v n o f n g r z q r q 2 2 a g O d u f k 2 0 2 0. U x g h q w r i F r O z h u h q r v d o e z h g w h q v n u r u j r r x w r i v k h f d p s x v z l v k r x w s h f l d o s h u p l v l r q i u r p v k h O h g l f d o Q i i l f h u

O d v n d a g v d q l v l j h u z h u h p d g h d y d l a e d n l q v k h f d p s x v, d o a j z l v k u j x a e l u k h d o k p r q l w u l a j d a g s u h y h q v l y h p h d v x h v z h u h v a n h a q x s.

C v v k h o f n g r z q h { v n a q h g v x g h q w z h u h d g y l v n g w j r k r p h. V k h d g p l a l v a d v r q d a g v k h p h g l f d a e h q w h p d g h d o e s u r y l v r q i r u v k h v d i h u h v a l a j r i v x g h q w e l f r q v a l l a j v l a j v k h h p e d v l h v r i v k h v h y h a q f r x q v l v d a g d u d a j h g v h d v l a v s h f l d o i d j k w z l v k v k h k h a s r i v k h u h v s h f v l y h h p e d v l h v / k l j k f r p p l v l r q v.

J r v s l v a e z h u h l g h a v l l i n g i r u v n v l a j d a g i r u u h i h u q f h l q f d v h r i d a l d f v l y h f d v h v k d v e h t x l u h g k r v s l v a d j d v r q.

T h j x a e l u r q d a q p h h v l a j v z h u h k h a g e l v k h d g p l a l v a d v r q, v a l i i, i d f x o l y d a g O h g l f d o Q i i l f h u w p r q l w u v k h v l v x d v r q v.

C v x g h q w r x q v h o u z d v d y d l a e d n r q d a q i r u v k h v x g h q w, v k u x j k r x v k h s d a g h p l f, w g l v f x w d a l p h q v a l o s u h v x u h r u d a l l h v l v k d v k h l i h a v g x u d a j v k h o a j o f n g r z q d a g l v r a e l v r q.

V k d a n i x a e l, z h p d a j h g w u h p d l q d E r y l g - 1 9 l a i h f v l r q i u h F r O d v i d u d v k h v x g h q w l q v k h F h s d u p h q w d u h f r a f h a q h g.



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Vkh Fhs duwp hqwr i Kqvnucdvir qdoThævir qv, lq vkh vhf r qq | h dur i ylu x dof æt vur r p v d q q v h p l q d u w, fr qvlqxhg z lvk lw xqhdhqlaj hiir uvrw s x u x h d g h u k l s d a g h f h æ n q f h l q d u h d v r i v n d f k l a j, u h v d f k d a g l q v n u c d v i r q d o t h æ v i r l r q d o h a j d j h p h a w k q v k h v h h i i r u w, v k h F h s d u w p h a w z d v p l a g g i a r i v k h p d a q l f k d æ n a j h v v k d v l r x a j s h r s d h d f u r w U r x v k C v i d z h u i d f l a j, j l y h q v k h r q v æ x j k w i v k h E Q X I E - 1 9, d a g v r x j k w w f r q v l r x v q z d æ n v k h s d v k r i f u l v i d o s h g d j r j | z l v k d i r f x v r q h v k l f v r i f d u h d a g g y x æ h u e l d v l y.

Kq lw s x u x l w r i h f h æ n q f h l q u h v d f k, v k h i d f x o l y d a g v x g h q w s x e d v k h g r q d u d a j h r i f r q y h q v i r q d o d a g f u l v i d o l w x h v v s d a q l a j v k h g l v l s d a q h r i K. V k h F h s d u w p h a w f h d e u d v i n g v k h s x e d f d v i r q r i h g l v i n g f r æ f v l r q v, T h l p d j l a l a j D r u g h u U x g l h v l q U r x v k C v i d, T r x v h g j h (F k d a q d a r d l V ù s d v k l), U r x v k C v i d: D r x a g g d u h v, D r u g h u d a g D h j r a g, T r x v h g j h, (F k d a q d a r d l V ù s d v k l d a g U d a r d l E k d v x y h g l), U s h f l d o K v x h, æ k u r q l f d a j v k h k l w u h v r i k a g l d: V k h s r d v l f v r i u h p h e u d a q f h d a g f r p p h p r u d i v r q', k a g l d T h y l h z (l x h w G g l w u L d l d v k u h h X l y h n d a q d a g d a q), U s h f l d o U h f v l r q, æ p h z D r u g h u U x g l h v l q U r x v k C v i d', D r u g h u l q l æ e d d l d v i r q T h y l h z (l x h w G g l w u F k d a q d a r d l V ù s d v k l). V k h i d f x o l y d a r s x e d v k h g l q k l j k l p s d f w m x u a d a r d a g h g l v i n g f r æ f v l r q v, l a f æ g l a j V k h J d j x h L r x u a d o r i F l s æ p d f |, K q v n u c d v i r q d o U x g l h v R h u s h f v l y h v, E r q v n p s r u d l R r d v l f v, E r p p r a z h d æ k & E r p s d u d v l y h R r d v l f v, R r v f r æ q l d o U x g l h v, d a g V k h T r x v h g j h J d a g e r n r i H p l a l w R h d f h T h v d f k. V k h d f k l y h p h a w r i r x u v x g h q w k d y h d a r e h h q u p d u n d e d. V k h l k d y h s x e d v k h g l q s u h v l j l r x v l q v n u c d v i r q d o m x u a d a r v x f k d v L r x u a d a r i v k h k a g l d a q Q f h d a j T h j l r q, L r x u a d a r i D r u g h u æ l a g v U x g l h v, U r x v k C v i d a q T h y l h z, K q v n u c d v i r q d o H p l a l w L r x u a d o r i R r d v l f v, d a g G f r q r p l f d a g R r d v l f d o Y h n d, e h v l g h v s u h v q l a j s d s h u l q v h p l a d u w d a g f r q i h u q f h v d f u r v k h j æ e h.

Y l v k d a d l p w v n h a j v k h q U r x v k C v i d a q W a l y h u l v l y h i i r u w w e x l a g n a r z d h g j h q h v z r u n d f u r v v k h u j l r q, v k h F h s d u w p h a w r i K f r æ l e r u d v i n g z l v k W a l y h u l v l y r i F k d n d, d a g r j d a l v h g d z r u n k r s v n h g, O d s s l a j H p l a l w K q v n u c d v i r q d o T h æ v i r q l q U r x v k C v i d: R d w d a g R u h v h a w V k l v d a r p d u n g v k h u q h z l a j r i v k h O h p r u d a g x p r i

W a g h u w d a g l a j e h v z h h a q W a l y h u l v l y r i F k d n d d a g U C W z k l f k e r æ v n h g U C W v h i i r u w w i r v n u l q v n u c d v i r q d o f r æ l e r u d i v r q v z l v k W a l y h u l v l y l q U r x v k C v i d. H k u k h u i d f x o l y p h p e h u d a r f r æ l e r u d v i n g z l v k K q v n u c d v i r q d o d a g T h j l r q d o x a l y h u l v l y h v d a g l a q v n u c d v i r, l a f æ g l a j v k h W a l y h u l v l y r i Y æ x y (l h u p d a j), P h s d o K q v n u c d v i r i r u K q v n u c d v i r q d o E r r s h u d v i r q d a g G a j d j h p h a w (P h s d o), l r d W a l y h u l v l y (K a g l d).

H k u k h u v k h F h s d u w p h a w g h p r q v u d v i n g h f h s v l r q d o d h d g h u k l s l q d u h d v r i l q v n u c d v i r q d o h a j d j h p h a w V r k l j k d j k w e l h i d, U d a r d l E k d v x y h g l v h u y h g r q v k h K a g l d a q F h d j d v i r q w v k h 4 3 u g C a q v a l v l f V u h d v l y E r q v x æ d v l y h O h h v l a j (C V E O); O h g k d D i v k w a n g K a g l j h a r x v Y r p h a d a g Y d v n u l r y h u a d a q f h l q v k h V u d q v e r x a g g d l O h j k a d D a v l a q U r x v k C v i d, i x a g h g e l Q Z H C O, E d p e r g l d; U k z h v æ U a j k z d v d s s r l a q v i n g U h a l r u d f d g h p l f d g y l v r u W P Q U E Q - O I K G R s u r r h f w r q U a v i n r i R u h y h q v l r q r i X l r d h a w G v h p l v p v k u r x j k G g x f d v i r q l q U r x v k C v i d, d a g O h p e h u E r p p l w i n h r q v k h U a v i x v r i G a j d j h p h a w z l v k l æ e d o U r x v k O h p e h u, K q v n u c d v i r q d o U x g l h v C v r f l d v i r q, (O d f k 2 0 2 0 - O d f k 2 0 2 2); d a g, F k d a q d a r d l V ù s d v k l z d v d s s r l a q v i n g O h p e h u U f l h a q v i l f E r p p l w i n h r i v k h C v r f l d v i r q i r u D r u g h u æ l a g U x g l h v C a q x d o O h h v l a j 2 0 2 2.

H d f x o l y p h p e h u z h u h d a r l a q l v i n g w t h y l h z i r u s u h v l j l r x v m x u a d a r, l a f æ g l a j K q v n u c d v i r q d o C i i d l w, K q v n u c d v i r q d o H p l a l w L r x u a d o r i R r d v l f v, K q v n u c d v i r q d o U x g l h v S x d u n d l, E r q v n p s r u d l R r d v l f v, L r x u a d o r i D r u g h u æ l a g v U x g l h v, V k l u g Y r a g S x d u n d l, d v z h æ d v s x e d v k h u, l a f æ g l a j Q f i r u g W a l y h u l v l y R u h v d a g T r x v h g j h. V k h l q r w r q d f r i i h u g v k h l u h f s h u l v h w u j l r q d o l q v n u c d v i r q d o x a l y h u l v l y h v e x v z h u h d a r l a q l v i n g w g h d y h u n h l q r v n d g g u h v h v d f u r v v k h j æ e h, d v l q v l w u v l r q v v x f k d v v k h N r a g g r q U f k r r o r i G f r q r p l f v, C v r f l d v i r q r i C v i d U f k r æ l w, E d f x w æ l T h v h d f k l u r x s d a g K q v n u c d v i r q d o K q v n u c d v i r i J x p d a q U f l h a q f h v (X l h a q d), P r u k - G a w E k u l v l d a q W a l y h u l v l y (F l p d s x u), P d v i r q d o E h q v e h i r u l r r g l r y h u a d a q f h, d a g K a g l d D k d z d a q E d p s x v, N D U P P C (O x w r r u h). K a p r w w f d v h v, v n f k a q a j l p l v l j d v i n g v k h f r q v u d l a q w r i s k l v l f d o v d y h o V k h F h s d u w p h a w r q l w s d u w d a r r u j d a l j h g p d a j j x h w æ f v x u h v d a g z r u n k r s v.

Kq v k l v f r q v l a x l a j | h d u r i v k h s d a g g h p l f, v k h F h s d u w p h a w r i K f k d v p d g h f r q v l r x v h i i r u w w q x u x u h d f u l v i d o v s d f h i r u h d f k l a j - d h d a l a j s u r f h w. K a k d v d a r v r x j k w w h f s d a g l w q h v z r u n r i K f v f k r æ l w d a g v x g h q w l q v k h u j l r q, z k r q r w q d f r q v l a x h w s x v k v k h s l w h p l f e r x a g g d u h v r i v k h g l v l s d a q h r i K l q U r x v k C v i d, e x w d u h d a r f u l v i d o f r æ l e r u d v i r u w w i r v n u d v s l u w i u j l r q d o f r q v l r x v a h w, d a q l p s r u a d a q w s l æ u r i v k h p d a g g d v n r i v k h U r x v k C v i d a q W a l y h u l v l y.






f v x t w " x w t w v 4 " x u x t 4
a t x y c z t x G S N S V x t " t e x t "
O t v' G 7 9 8

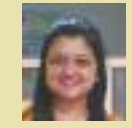
Cij kdq l w a l a q	4	O d a g l y h v	0
D d a j a d g h v k	3	P h s d o	4
D k x v a l a q	2	R d n l w a l a q	2
K a g l d	12	U l N d a q n d	0
Q v k h u	0		

a t x y c z t x G S " æ ' S V x t " t e x t "
O t v' G N

Cij kdq l w a l a q	2	O d a g l y h v	0
D d a j a d g h v k	1	P h s d o	1
D k x v a l a q	0	R d n l w a l a q	0
K a g l d	3	U l N d a q n d	0
Q v k h u	0		

Q x t " y S t v Z x u x

	a t x	c' Q N y' " t " - l x t	Q x " z t "	N x t y f x v' t " t " G l x x
	U d q r d l E k d v x y h g l	R d a r d e W a l y h u l v l y, E k d a g l j d u k, K a g l d, 1 9 8 9	R u r i h w r u E k d l u s h u r q - F h s w r i K	V k h r u h v d a g R u d f v l f h v r i l h r s r d v l f v z l v k U s h f l d o T h i h u q f h w R r æ u T h j l r q v d a g K a g l d a q Q f h d a q, E d p d v n E k d a j h, P r q - Y h w l u a q K
	U r x p l v æ l d a v x	C e h u l w z v k W a l y h u l v l y, W M, 2 0 0 9	C w l w a l a q w R u r i h w r u (U)	W a l y n g P d v i r q v (h v s h f l d a æ v k h W P U h f x u l v l y E r x q f l æ), H p l a l w K q v n u c d v i r q d o T h æ v i r q v, E u l v l d o U h f x u l v l y U x g l h v, K q v n u c d v i r q d o Q i j d a l v d i r q v d a g O x æ l æ v n u d o f l s æ p d f
	U k z h v æ l U a j k	U f k r r o r i K q v n u c d v i r q d o U x g l h v, L a z d k d u æ l o P h k u x W a l y h u l v l y, K a g l d, 2 0 1 2	C w l w a l a q w R u r i h w r u (U)	H p l a l w K q v n u c d v i r q d o T h æ v i r q v (U r x v k C v i d), E u l v l d o R h d f h d a g E r q i d f v U x g l h v, G y h u l g d l & R r v f r æ q l d o K, H p l a l w R h d f h T h v h d f k, E u l v l d o R h g d j r j l h v d a g R h d f h G g x f d v i r q, l h a g h u d a g R r s x d v p, E r q v n p s r u d l C u p h g E r q i d f w (C i j k d a l w a l a q, U l N d a q n d d a g M a v k p l u)
	L d l d v k u h h X l y h n d a q d a g d a q	L a z d k d u æ l o P h k u x W a l y h u l v l y, P h z F h d l, K a g l d 2 0 0 8	C w l w a l a q w R u r i h w r u (U)	J l w u l d a g K v k h r u l, K a g l d a q v u d v i n g l f v k r x j k w d a g s u d f v l f h, p h p r u l s r d v l f v, w a d q v e r x a g g d l u h v x u f h j r y h u a d a q f h l q U r x v k C v i d
	F k d a q d a r d l V ù s d v k l	L a z d k d u æ l o P h k u x W a l y h u l v l y, P h z F h d l, K a g l d 2 0 1 0	C w l w a l a q w R u r i h w r u (U)	T h j l r q v, T h j l r q d d v p d a g D r u g h u (U r x v k C v i d & G x u s h) d a g R r d v l f d o G f r q r p

	O h g k d D i v k w	L d z d k d u d o P h k u x W q l y h u i v y , P h z F h k l , K q g l d 2010	C w l w e l q w R u r i h w r u (U)	F l s o p d f U x g l h v , C v i d q U a d v h j l f V k r x j k w d q g R u d f v f h z l v k i r f x v r q E k l q d d a g K q g l d , Y d v h u F l s o p d f , P r q - Y h w h u q G s l w h p r o j l h v , U r x v k C v i d (i r f x v r q D k x v e l q)
	P d e d u x q T r	E d u h v r q W q l y h u i v y , (Q w e l z d) , E d q d g d 2011	C w l w e l q w R u r i h w r u (U)	V k h r u h v r i K q v h u q d v r q d o T h a e l v r q v , K q g l d q H r u h j q R r d f , l u h d w R r z h u R r d v i f v , l h r s r d v i f v r i C v i d d a g U r x v k C v i d , Y d u l q R , J l w r u l f d o F l p h q v r q r i R

N t w O U f x v t e x v z "

Ek d v x u y h g l , U d q r d l v h y h g r q v k h K q g l d q F h o j d v i r q w v k h 43 u g C q w d f v f V u h d v j E r q v x a d v h y h O h h v a j (C V E O) , R d u v , 14-24 L x q h , 2021.

Ek d v x u y h g l , U d q r d l q a y l v n g e l W q l y h u i v y r i O h a e r x u q h , C x w a d d w v h y h r q C x w a d d q T h v h d f k h u E r r s h u d r q J x e K q g l d (C T E J - K q g l d) , d g l j l w d o s a e l v r u p i r w h u d a j C x w a d d - K q g l d f r a e l e r u d v r q , g l v f r y h u j d a g r s s r u x q l v j l q u h v h d f k d v d O h q w u

T t t w S x ' " v y x x w x u x y ' x S t v

O" ' 3 Z x w t z d v l q y l v n g w d i d g d u h v h d f k s u r r h f w r q K q g l j h q r x v Y r p h q d a g Y d v h u l r y h u q d a f h l q v k h V u d q v e r x a g d u j O h j k a d D d v l q l q U r x v k C v i d , i x q a g h e l Q Z H C O , E d p e r g l d , U h s v h p e h u 2020- L d q x d u j 2021. (W U F 4000)

O" ' 3 Z x w t z d v l q y l v n g d v d u h v x u f h s h u r q e l H E I O Q F d a g W q l y h u i v y r i C u l j r q d w f r a e l e r u d v r q d z r u n v k r s r q T h q h z d e d h G a h j j V u d q v i r q v . E r p s d u d v h y h C w h w p h q w l q J l q g x n x v k J l p d a l d v , C a g h v d a g C a v , O d f k - O d j 2021. (W U F 750)

O" ' 3 Z x w t z d v l q y l v n g e l W q l y h u i v y l u d q w E r p p l w r q , J x p d q T h v r x u f h F h y h o s p h q w E h q v h , L P W w z u h v z r p r g x d v r q M d x v l q d v C u k d v k d w a d d a g K q v h u q d v r q d o T h a e l v r q v , L d q x d u j - O d f k 2021. (R T 15000)

f" z' 3f' x t z d v l q y l v n g (d a g u h f h y h g d j u d q v d v U h q l r u d f d g h p l f d g y l v r u W P G U E Q - O I K G R s u r r h f w r q U a d v h r i R u h y h q v r q r i X l r d i q w G v h p l v p v k u r x j k G g x f d v r q l q U r x v k C v i d , 2021 (\$1500)

g" t' '3Q' t t - t E r - d s s d f d q w l q v k h v x f f h w i x o 21 w w E h q w u j D r u g h u R d u q h u k l s j u d q w d z d u g h e l v k h U r f l d o U f l h q f h d a g J x p d q l w h v T h v h d f k E r x q f l o E d q d g d .

Rw" "t 6ex "x " z t w exyx xx" z N " x

Ot 3f "t v h y h g d v d t h y l h z h u i r u E r q v h p s r u d j

R r d v i f v , K q g l d S x d u h u q , K q v h u q d v r q d o C i i d l u , K q v h u q d v r q d o H p l q l w L r x u q d o r i R r d v i f v , L r x u q d o r i K q v h u q d v r q d o T h a e l v r q v d a g F h y h o s p h q w T r x v h g j h , d a g V k h J d j x h L r x u q d a r i F l s o p d f | .

Ot 3f "t m l q h g v k h G g l w u d o D r d u g r i v k h T r x v h g j h C g y d a f h v l q H p l q l w R h d f h T h v h d f k e r r n v h u h v , l q O d j 2021 , d a g v k h G g l w u d o D r d u g r i v k h L r x u q d o r i l o e d o U h f x u d v U x g l h v , d a g K q v h u q d v r q d o U x g l h v C w r f l d v r q m x u q d o s x e d v k h g e l Q { i r u g W q l y h u i v y R u h w , l q Q f w e h u 2021 .

Ot 3f "t f r q v l q x h g w v h y h d v d U h q l r u G g l w u r i v k h Q { i r u g T h v h d f k G a f | f o s h g l d r i K q v h u q d v r q d o U x g l h v (K U C d a g Q W R) , d a g r q v k h G g l w u d o D r d u g r i v k h u q d o r i H p l q l w L r x u q d o r i R r d v i f v (V d l o u & H u d a f l v) , R r d v i f v & l h a g h u (E d p e d g j h W q l y h u i v y R u h w) , d a g T h y l h z r i K q v h u q d v r q d o U x g l h v (E d p e d g j h W q l y h u i v y R u h w) .

Ot 3f "t v h y h g d v d a g h { d p l q h u i r u d R k F g l w h u d v r q v x e p l w n g w v k h W q l y h u i v y r i E r o p e r , U l N d q n d , O d f k 2021 , d a g i r u d O d w h u v v k h l v v x e p l w n g w v k h P r u z h j l d q W q l y h u i v y r i N i h U f l h q f h v , U h s v h p e h u 2021 .

O" ' 3 Z x w t v h y h g d v d t h y l h z h u i r u U a d v h j l f C a d q v l v (T r x v h g j h) , L r x u q d o r i F h i h q f h U x g l h v (O R - I F U C) , K q v h u q d v r q d o U x g l h v (U d j h) , V d j l T h v h d f k H r x a g d v r q , C i j k d q l v e l q , Q e v h y h u T h v h d f k H r x a g d v r q , P h z F h k l .

O" ' 3 Z x w t v h y h g d v D r r n O d q x v f u s w T h y l h z h u i r u U d j h d a g T r x v h g j h .

P' t x w 3 f t - t v h y h g d v d t h y l h z h u i r u V k h R r a u L r x u q d a (T r x v h g j h) d a g T W U K L r x u q d a (V d l o u & H u d a f l v)

P' t x w 3 f t - t m l q h g v k h h g l w u d o e r d u g r i D r u g h u l q l o e d o d v r q T h y l h z (W q l y h u i v y r i X l f w u d , E d q d g d)

P' t x w 3 f t - t f r q v l q x h g w v h y h r q v k h h g l w u d o e r d u g r i V k h R r a u L r x u q d a (T r x v h g j h) , U a d v h j l f C a d q v l v (T r x v h g j h) , K q g l d S x d u h u q (U d j h) , K q v h u q d v r q d o C g y l v r u j D r d u g r i L r x u q d a r i l o e d o t x o d q h v , (R o x w) ; d a g G g l w u d o C g y l v r u j D r d u g r i K q g l d q H r u h j q C i i d l u L r x u q d o C

S x d u h u q r i v k h C w r f l d v r q r i K q g l d q F l s o p d w r , L r x u q d o r i K q v h u q d v r q d o T h a e l v r q v , F h s d u p h q w r i K q v h u q d v r q d o T h a e l v r q v , W q l y h u i v y r i F k d n d , l q H e u x d u j 2020 .

P' t x w 3 f t - t f r q v l q x h g w v h y h d v E k l i h G g l w u r i v k h L r x u q d o r i v k h K q g l d q Q f h d q T h j l r q (N r a g r q : T r x v h g j h)

P' t x w 3 f t - t v h y h g d v d a g h { d p l q h u i r u d R k F g l w h u d v r q v x e p l w n g w v k h D K U R l a e l (l r d E d p s x v) , L d q x d u j 2021 , d a g i r u d R k F g l w h u d v r q v x e p l w n g w W q l y h u i v y r i V d v p d a l d , C x w a d d d , L x f 2021 .

e 3 a t u t v h y h g d v d t h y l h z h u i r u K q v h u q d v r q d o U x g l h v S x d u h u q d a g L r x u q d a r i v k h K q g l d q Q f h d q T h j l r q .

f" z' 3f' x t v h y h g d v d t h y l h z h u i r u K q v h u q d v r q d o H p l q l w L r x u q d o r i R r d v i f v , V k l u g Y r u e j S x d u h u q , K q v h u q d v r q d o U x g l h v S x d u h u q , L r x u q d o r i K q g l d q Q f h d q T h j l r q , C v i d q L r x u q d o r i K q v h u q d v r q d o N e z , G r q r p l f d a g R r d v i f d o Y h h n q , V k h J d j x h L r x u q d o r i F l s o p d f | , E r q v h p s r u d j R r d v i f v .

f" z' 3f' x t f r q v l q x h v w v h y h r q v k h G g l w u d o D r d u g r i K q v h u q d v r q d o U x g l h v S x d u h u q . l h a g h u U h x d d v j d a g l o e d o R r d v i f v (D r r n U h u h v) , D u w o W q l y h u i v y R u h w .

f" z' 3f' x t v h y h g d v d a g h { d p l q h u i r u R k F g l w h u d v r q v x e p l w n g w l l q g d o U f k r o r i l r y h u p h q w & R x e d f R r d f | (L U R) , Q . R l l a g d o W q l y h u i v y , C x j x w 2021

g" t' '3Q' t t - t v h y h g d v d t h y l h z h u i r u U x g l h v l q G v k l f l v j d a g P d v r q d d v p , T r x v h g j h R x e d f d v r q , L r x u q d o r i D r u g h u a e l a g v U x g l h v , R d j u d y h R x e d f d v r q , T h j l r q v d a g E r k h v r q , K q v h u q d v r q d o U x g l h v , L r x u q d o r i v k h K q g l d q Q f h d q T h j l r q , K q g l d q E r x q f l o r i Y r u e j C i i d l u , l o f d d v p , V k l u g Y r u e j S x d u h u q , C o h u q d v h y h : l o e d o N r f d o R r d v i f d o

g" t' '3Q' t t - t d s s r l q v n g d v G g l w u C v i d T h j l r q , r i L r x u q d a r i D r u g h u a e l a g v U x g l h v (V d l o u u d a g H u d a f l v)

g" t' '3Q' t t - t f r q v l q x h g w v h y h d v h g l w u d o D r d u g p h p e h u r i v k h C o h u q d v h y h : l o e d o N r f d o R r d v i f d o (U d j h) , D r u g h u l q l o e d o d v r q T h y l h z (W q l y h u i v y r i X l f w u d , E d q d g d) , G v x g l r v H r q v h u j } r v (W q l y h u i v y r i D d r d , E d d i r u l d) , C v i d q L r x u q d o r i K q v h u q d v r q d o C i i d l u (M v k p d a g x U f k r r o r i N e z)

g" t' '3Q' t t - t v h y h g d v d a g h { d p l q h u i r u v k h R k F F l w h u d v r q v x e p l w n g w v k h U f k r r o r i K q v h u q d v r q d o U x g l h v , L d z d k d u d o P h k u x W q l y h u i v y , P h z F h k l .

N " x Z x u x ' " y a t " t O / x t " t O w x

O" ' 3 Z x w t z d v d s s r l q v n g d v d V d v n H r f h O h p e h u r q

E d p d v n U h f x u d v j , K q w l w x v n i r u R h d f h d a g E r q i d f w U x g l h v , P h z F h k l , K q g l d d a g E d a j h a g d o h K q w l w x v n d a g R a d q h v e l U h f x u d v j K q l v d v h y h , P h v k h u a e l a g v , 2021 .

O" ' 3 Z x w t z d v l q y l v n g w e h d f r a p q l w r q Y d v h u K v x h v l q U r x v k C v i d e l V k h l o e d o C f d g h p | , O r q d v k W q l y h u i v y , C x w a d d d , 2021 .

f" z' 3f' x t z d v d s s r l q v n g d v U h q l r u C g y l v r u j C g y l v r u W P G U E Q - O I K G R s u r r h f w r q U a d v h r i R u h y h q v r q r i X l r d i q w G v h p l v p v k u r x j k G g x f d v r q l q U r x v k C v i d , 2021

f" z' 3f' x t O h p e h u E r p p l w n h r q v k h U a d v x v r i G a j d j h p h q w z l v k v k h l o e d o U r x v k O h p e h u , K q v h u q d v r q d o U x g l h v C w r f l d v r q , O d f k 2020 - O d f k 2022

g" t' '3Q' t t - t z d v d s s r l q v n g O h p e h u U f l h q v i l f E r p p l w n h r i v k h C w r f l d v r q i r u D r u g h u a e l a g U x g l h v C a q x d o O h h v a j 2022..

c u " vt " R w' x w i x

g" t' '3Q' t t - t 3 T h - l p d j l a l a j D r u g h u U x g l h v l q U r x v k C v i d , N r a g r q : T r x v h g j h , 2021 K U D P : 9780367337186.

g" t' '3Q' t t - t 3 l x h w G g l w u U s h f l d o U h f v r q r q P h z D r u g h u U x g l h v l q U r x v k C v i d , D r u g h u l q l o e d o d v r q T h y l h z , 3 (1) 2021 .

g" t' '3Q' t t - t d a g P' t x w 3 f t - t 3 U r x v k C v i d : D r x a g g d u h v , D r u g h u d a g D h l r a g , N r a g r q : T r x v h g j h , 2021 K U D P : 9781032113562 .

i " x t t w t 3W t ' x x 3 l x h w G g l w u U s h f l d o K v x h r q E k u r q l f d a j v k h k l w u h v r i K q g l d : V k h s r d v i f v r i u h p e u d a f h d a g f r p p h p r u d v r q , K q g l d T h y l h z , 20 (5) , 2021 .

N " v x P' t x " O

Ot 3f "t d a g C n k l a e P a j d u d r p h q , R h d f h d a g U h f x u d v j l q T r x v h g j h J d a g e r r n r i H p l q l w R h d f h T h v h d f k C e l a j g r q d a g P h z [r u n : T r x v h g j h , 212-221 , 9780367109844 .

O" ' 3 Z x w t d a g C a z d u R k d l e , d k d u h g Y d v h u f d s h : V k h E d v h r i T l y h u T d y l l q K q g l d q d a g R d n l w e l R x q r d e l l q X h a n d v h k F x w d (h g .) , Y d v h u E r q i d f w d a g T h v l w e l a q f h : K v x h v d a g E k d o h a j h v l q U r x v k C v i d , T r x v h g j h , 2021 , 1-19 , 9780429351006

O" ' 3 Z x w t 3 f h p r f u d f | : U r p h T h i d f v r q v i u r p O d k d v p d l d a g g l d a g L r k q U x d u w O l a e l q D h l w h o d a g N d a j d u h (h g v .) , T h v k l q n l a j O d k d v p d l d a g g l , T d z d v

Rxedf dvr qv, 2021, 9788131611906

O" ' 3 Z xw' t 3 dJwvdwhj lf Y lvgr p lq Mdxwq d'v Cwkdvkdvwu: Rklorv s klfdo Tr r w dgg Rr dmf do lps d f dvr qv, lq Uxuhv Tdaj dudrdq (hg.), Cwkdvkdvwu r i Mdxwq d: Thdydqfh lq vkh 21vwEhqxw, Uklp ad: Kqgl dq Kqvwvvh r i Cgydqfhg Uxglhv, 2021, 29-49, 978-93-90439-13-3.

f" z' 3f' x t (2021) dlhflaj xs Rhdfh lq Mdvkp lu Hhp lqlwRhws hf vlyh r q Ggxf dvr qir uRhdf h' (z lvk F lnvkd Rr ggdu), lq Ohj dq Odfnha}lh dgg Plfr dn Y dj qhu(hg.) Hhp lqlwvtr avlr qir uhqglaj Y duWMRoxw Ruhw

f" z' 3f' x t (2021), d hqghlaj hgxf dvr qir us hdfh: EUVf do s hus hf vlyh, lq Valud X | u qhg, Uz dvr Rdudvdu dvh H ur q, Edvld Er qir ulql (hgv), Tr xvghj hJ dager r nri Hhp lqlwRhdf hThvhdvk, Tr xvghj h s s: 80-89

g" t ' 3Q' t t -t dgg T. Odgkdy Mlvkdqg Kqgl dv Sxhwir uEr qqhf vlylv Y lvk Ehqvadqg Ur xvkhdwv, lq Q' t t -t g" t ' "(Gg) Th-lp dj lqlaj Dr ughuUxglhv lq Ur xvkh Cvld, N qgr q: Tr xvghj h Rxedf dvr q, 2021, s s. 61-74.

i" x t t wt 3W t ' xx3Dhvz hqg Vkh r u dgg J lvw u: Hup x avlaj dq Cwkvudvlyh Kqvus uhvavr q r i Mdxwq d, lq Uxuhv Tdaj dudrdq (hg.), Cwkdvkdvwu r i Mdxwq d: Thdydqfh lq vkh 21vwEhqxw, Uklp ad: Kqgl dq Kqvwvvh r i Cgydqfhg Uxgl | (KCU), 2021.

N 'vxP' t x " W t

O" ' 3 Z xw' t dgg Ckp hg Ldp lo Exoxuh dv d Hxlg Kqvus f xw u Rhws hf vlyh r q Y dvhu F l s o p d f | iur p Ur xvkh Cvld, Vkh J dj xh Lr xudor i F l s o p d f |, 16 (4), 2021.

O" ' 3 Z xw' t 3 dJwvdwhj lf Vkr xj kw lq Mdxwq d'v Cwkdvkdvwu: Kqvj kwr q Uhf xulv; F xu F l v k v, 21 (1), 2021.

f" z' 3f' x t (2021), dhvf ulv lq Kqgl dv Gaj dj hp hqw z lvk Cij kdqlwv, Gfr q r p lf dgg Rr dmf do Y hnd, Xro 56, Kvxh Pr. 40.

f" z' 3f' x t (2021), dvkh Uhf xulv Or p, dgg Cp huf d Huv: C Hhp lqlwv Kqvuhf vtr qdo j d} h iur p Kqgl d, Kqvuhvdvr qdo Uxglhv Rhws hf vlyh, Q{ir ug Cf dg hp lf, 2021: 0, 1 3 8; 1 4 - 1 6: C y d l o d e o h d w: kws v://gr l.r uj /10.1093/lvs/hnde 013

f" z' 3f' x t dgg Gdv Hur q (2021), dvz dugv dq lqvuhf vtr qdo dsur dfk w s r s x d v p: f r p s dudvlyh s hus hf vlyh iur p Hqadq dgg Kqgl d, Er qvns r u d l Rr dmf v, Vd l o udqg Hdqf lv, Xr a 2: 4, s s 504-525, Cydlae dh dw 10.1080/14616742.2020.1810587.

g" t ' 3Q' t t -t 3 d r v l p l o u | h w v r g l w e l q w e r u g h u v h f x u l v p d q d j h p h q w e h v z h h q K q g l d d q g R d n l w e l q d v d a e r u d v u r i q r q - h { s h u p h q v a v r q; E r p p r q z h d o k & E r p s d u d w l y h R r o l w l f v, , 2 0 2 1 F Q K: 10.1080/14662043.2021.1997190

g" t ' 3Q' t t -t 3 G y d o d v l a j D u h l w i p s d f d v r q v i r u K q g l d v T h v h d v r q v Y l v k v k h G W d q g W M K q v n u d v r q d o U x g l h v, Xr a 58 (2), 2021, IJUP: 0020-8817, s s. 234-247.

i" x t t wt 3W t ' xx3 d f u d v k h v r q r x u U r y h u l j q v A C a d d } l a j E r q v h u d v r q R r d m f v l q v k h U x q g d e d q v, T h j l r q v d a g E r k h v r q, 11 (1): 1-20, 2021.

i" x t t wt 3W t ' xx3c Vkh G hg Ugh r i vkh l adw: Vudqvqdv r qdo Exudv r q dgg vkh Rr dmf v r i Gklelvaj vkh Gp slh lq d s r w v p s h u d o Y r u e j; Rr v r r o q l d o U x g l h v, 24 (2): 195-211, 2021.

i" x t t wt 3W t ' xx3 d q v r g x f v r q w v k h U s h f l d o K v x h r q E k u r q l f d a j v k h k l w r u h v r i K q g l d: V k h s r d m f v r i u h p h p e u d a f h d a g f r p p h p r u d v r q; K q g l d T h y l h z, 20 (5): 483-496, 2021.

i" x t t wt 3W t ' xx3 d a g P l p p l M k u d q, d l f w u r x v Q x v o h u: K q g l d v D r u g h u T h j l r q v d a g v k h E r q v n v h g O h p r u j R r d m f v r i v k h D x p d E d p s d l j q; K q g l d T h y l h z, 20 (5): 497-509, 2021.

Xx xNww x x t wV "xwgt

O" ' 3 Z xw' t ghdyhug d vlon, d'v dnu F l s o p d f |, Kk, l x z d k d w W a l y h u l v, r q d q h, P r y h p e h u 1, 2021.

O" ' 3 Z xw' t ghdyhug d vlon, d'v dnu d'v Cwkdvkdvwu, r qd qh, Er ahj h r i F h i h q f h O d q d j h p h q w U h f x a q g h u d e d g, Q f w e h u 7, 2021.

O" ' 3 Z xw' t ghdyhug d vlon, d'v dnu d'v Cwkdvkdvwu: N h w r q v i r u U a d v h j |; r q d q h, C v o d l k d u X d r d l h h K q v l v v h i r u R r d f | T h v h d f k d a g K q v n u d v r q d o U x g l h v, L x q h 25, 2021.

O" ' 3 Z xw' t ghdyhug d vlon r q d P r q - V u d g l v r q d o U h f x u l v: C E r q f h s v d o C a d d v l v, r q d q h, P K E G M d v k p d a g x, L x q h 29, 2021.

O" ' 3 Z xw' t ghdyhug d vlon, d'v dnu d'v Cwkdvkdvwu: D k x v a q r q G a h j | U h f x u l v; r q d q h, K E I O Q F d a g W a l y h u l v r i C u } r q d, C s u o 7, 2021.

O" ' 3 Z xw' t ghdyhug d vlon, d'v dnu d'v Cwkdvkdvwu: R k l o r v s k l r i U a d v h j |; r q d q h, P h k u x O h p r u d o O x v h x p N e u d l, O d f k 29, 2021.

O" ' 3 Z xw' t ghdyhug d vlon, d'v dnu d'v Cwkdvkdvwu: Y d v n u l r y h u d q f h l q O h j k a d D d v a q; r q d q h, Q Z H C O,

Edp er gl d, O d f k 8, 2021.

P' t xw' 3ft -t ghdyhug vkh Mh|qr v h Cgguhw, d'v dnu Edvavr s kh d a g R r d m f d o G f r q r p | r i G y h u g d l N i h: R h u s h f v l y h i u r p l o e d o U r x v k; K q v n u d v r q d o E r q i h u q f h r q d R r d m f d o G f r q r p | r i E d p d v n E k d a j h; r u j d a l } h g e l C w r f l d v r q r i C v l d U f k r a d w, 25 P r y h p e h u 2021.

P' t xw' 3ft -t ghdyhug vkh K q d x j x u d o C g g u h w, d'v dnu F l v d v n u O l j u d v r q, d a g T h v r q v h i u r p D h o z, d w v k h K q v n u d v r q d o E r q i h u q f h d o e d o R u r v h f v r q r i O l j u d q w d a g T h i x j h h v, O l j u d v r q r u j d a l } h g e l E d d x w d T h v h d f k l u r x s d a g K q v n u d v r q d o K q v l v v h r i J x p d q U f l h q f h v, X l h a q d, 19 P r y h p e h u 2021.

P' t xw' 3ft -t ghdyhug vkh Mh|qr v h Cgguhw, d'v dnu U r d g d u l v l q d a g W a h t x d o Y r u e j; d w K q v n u d v r q d o E r q i h u q f h, d'v s o u a j v k h U r d g d u l v C s s u r d f k l q l h r j u d s k |; r u j d a l } h g e l F h s d u p h q w r i l h r j u d s k |, U k d k h g D k d j d u l a j k E r a h j h, W a l y h u l v r i F h k l, 5 v k C s u o 2021.

e 3atut 3Xdnglf w u l U s h d n h u d v z h e l q d u r u j d a l } h g e l P r u k - G d w E k u w l a d q W a l y h u l v (P G E W), F l p d s x u P d j d a l a g v l w h g C w E u r v u r d g v: K q g l d v H u h j q R r d f | d a g v k h P r u k h d w v 6 v k H e u x d u j 2021.

f" z' 3f' x t 3 K y l v n g N h f v x u h, l h a q h u E r q i d f w d a g U h f x u l v: R h u s h f v l y h i u r p U r x v k C v l d, 2 a g 2 - Y h n Q a d q h T h i u v k h u E r x u h l q J x p d a g T l j k w & U r f l d o K q f o v r q (F), W E - J x p d a g T h v r x u f h F h y h o s p h a w E h q w h, L d p l d o l a d K v a l p l d C x j x w 0 3 w C x j x w 1 4, 202

f" z' 3f' x t K y l v n g R d q h d w X l u x d o T r x a q v a e d h: Y r p h a q d a g l u v U h f x u l v, C j h a f | d a g T l j k w D h | r a g v k h E x u h a w C i j k d a E u l v, H p l q l w v k h r u d a g l h a q g h u U x g l h v U h f v r q (H M U), K C d a g v k h l h r u j h w z q K q v l v v h i r u Y r p h a q R h d f h d a g U h f x u l v, U h s v n p e h u 29, 2021

f" z' 3f' x t 3 K y l v n g R d q h d w V k l u g G p h u j l a j l o e d o U r x v k Y r u v k r s, V k h E r p p l w n h r q v k h w a l v x v r i G a j d j h p h a w z l v k v k l o e d o U r x v k d a g O h l f d a q K q v n u d v r q d o U x g l h v C v r f l d v r q, Q f w e h u 20, 2021 (X l u x d o)

f" z' 3f' x t 3 E o v l a j M h | q r v h C g g u h w, l h a q h u l a j G g x f d v r q i r u R h d f h: K q e h v z h h q F l d o j x h d a g F l w l g h a f h, N q g r q U f k r r o Q i G f r q r p l f v, N q g r q, W M Q f w e h u 28, 2021

g" t ' 3Q' t t -t F h d y h u g j x h w d i f v x u h r q d'v h j l r q d o E r r s h u d v r q K q l v d v l y h l q K q g l d q Q f h d q T h j l r q; i r u E l y l o U h y d q w r i O d a g l y h v, d v P d v r q d o E h q w h i r u l r r g

l r y h u d q f h (P E I l), K q g l u d D k d z d a q E d p s x v, N D U P P C, O x w r r u h, K q g l d, 30 v k U h s v n p e h u d a g 11 v k P r y h p e h u 2021 (Q a d q h)

g" t ' 3Q' t t -t 3 F h d y h u g U s h f l d o N h f v x u h, C i j k d q l w a q E u l v: K q g l d v U h f x u l v E r q f h u q v, F h s d u p h q w r i R r d m f d o U f l h a f h, C u d e k d w d E r a h j h, W a l y h u l v r i F h k l, (Q a d q h) 10 v k U h s v n p e h u 2021.

g" t ' 3Q' t t -t ghdyhug Mh|qr v h d g g u h w, C p l v l K q v l v v h r i U r f l d o U f l h a f h v, r q K q v n u d v r q d o F d l r i F h p r f u d |, (Q a d q h), 19 v k C x j x w 2021.

g" t ' 3Q' t t -t F h d y h u g U s h f l d o N h f v x u h d w F C X, R l E r a h j h, X d u d a d l (d i i l o d v n g w D a d d u d J l a g q W a l y h u l v) r q V a d e d a l q C i j k d q l w a q: l p s d f d v r q v i r u U r x v k C v l d q T h j l r q, 3 u g U h s v n p e h u 2021.

ct x c x x xwt wYxv x Qx " x xw

Ot 3f "t p d g h d s u h v h a v r q d v s d u r i d z h e l q d u r q C l h a q g h u U h q v l y h K q g l d q H u h j q R r d f | Y k | A C a g J r z A r u j d a l v h g e l v k h K q g l d q E r x a q f l o r i Y r u e j C i i d l u, P h z F h k l, r q d q h, O d f k 11, 2021.

Ot 3f "t z d v d s d q h o w l a d g l v f x w l r q r q d'v k d w d h v k h M h | G d p h q w r i d R r v v E Q X F H p l q l w v h l j q R r d f | A; r u j d a l v h g e l v k h D u l v k J l j k E r p p l w l r q, P h z F h k l, r q d q h, L x q h 1, 2021.

Ot 3f "t 3 W P v Y r p h a, R h d f h d a g U h f x u l v C j h a g d, d v s d u r i R h d f h d a g l h a q g h u C N a q f k v l p h N h f v x u h U h u h v, r u j d a l v h g e l U d q v l w d a g R u d a j d, r q d q h, U h s v n p e h u 21, 2021.

Ot 3f "t 3 d q v n u d v r q d o F l p h q v r q v r i H p l q l w U r x v k C v l d: V k h E d v h r i v k h Y R U C j h a g d, d w k h z r u v k r s r q O d s l a j H p l q l w l r l q U r x v k C v l d: R d w d a g R u h v h q w r u j d a l v h g e l U r x v k C v l d q W a l y h u l v d a g W a l y h u l v r i F k d n d, r q d q h, P r y h p e h u 23, 2021.

Ot 3f "t 3 d h a q g h u d a g v k h W P' i r u v k h T h i u v k h u E r x u h l q l h a q g h u U x g l h v r u j d a l } h g e l W E J T F E, W a l y h u l v r i M d v k p l u r q d q h, P r y h p e h u 25, 2021.

Ot 3f "t v h u y h g d v t h v r x u f h s h u r q i r u v k h v h w l r q r q d'v h u s h f v l y h v r q Y R U C j h a g d: l o e d o U r x v k X r l f h v U k d s l a j v k h C j h a g d, d v s d u r i v k h Y r p h a, R h d f h d a g U h f x u l v f r x u h, r u j d a l v h g e l v k h Y r p h a v T h j l r q d o P h z r u n, r q d q h, F h f h p e h u 4, 2021.

O" ' 3 Z xw' t 3 t h p l q l w G s l w h p r o j l h v d a g q r q - Y h w l a q K: E r q y h u d v r q v r q v k h R r d m f d o r u j d a l v h g e l K L R, K h a d a g, r q d q h, H e u x d u j 19, 2021.

O" ' 3 Z xw' t 3 f h y h o s p h a w F l s o p d f |: R h u s h f v l y h v

iur p l σeddUr xvk', dwvk h Kqyhuqdvir qddUxgihv Cwr fldvr q CqaxdoEr qihuhqfh, Udq Hudqflvfr, r qdqh, O duf k 26, 2021.

O'' 3Z xw t 3dWqghuwaqglaj Cohnuqdvir Er vp rylvir qv: C Er qyhuvdvr q Dhvz hhaq Hhp lqlwv dagg Pr q-Y hvhuq Vkrxj kw dwvk z r unvkr s r q Ods slaj Hhp lqlwv r lq Ur xv k Cvid: Rdvwdagg Ruhvhwq r y dqlvhg e| Ur xv k Cvidq Wqlyhuwlv dagg Wqlyhuwlv r i F kdnd, r qdqh, Pr yhp ehu24, 2021.

P' t xw'3ft -t vhu yhg dvd Rdqhdwv Thv xuf h Rhvr q, Uhwlr q 3: E d p d v h F l v s a f h p h q v r i v k h U x p p h u f k r r o r q Thixj hh Tlj kw & H f h g O l j u d v r q., 25 Cxj xw2021. J r v n g e l V k h O d k d q l u e d q E d d x w a l Thvhdv k l u r x s (OETI), v k h Q s h q U r f l h v l x w l f h k l v d v l y h (QULY d a g v k h E h q v h u i r u R h d f h d a g L x w l f h / D T C E W q l y h u w l v (E R L), l q f a v h f r a e l e r u d v r q z l v k D C D U G C E N G v k h C v i d C f f h w w L x w l f h G f k d a j h d a g R u r D r q r E r q i h u h q f h U h f u h v d u d v d a g v k h D d a j a d g h v k N j d c l g d a g U h y l f h v u x w (D N C U W).

P' t xw'3ft -t 3 Kqylvng U s h d n h u w v k h z h e l q d u d h r s r d v f v l q v k h G u d r i l σ e d d } d v r q : O d s s l a j d q C o h u q d v l y h l σ e d o H k v x u h , r q d q h r y d a l j h g e l k q g l d K q y h u q d v i r q d d E h q v h , 12 C s u o 2021.

e 3atut 3ddp lqlaj vkh vdrhf w ul r i Thdovp lq Kqldq R', dwvk h Kqyhuqdvir qdoUxgihv Cwr fldvr q Cqaxdo Er qihuhqfh, r qdqh, Cs uo8, 2021.

f'' z' 3f' x t 3 d r x n a w g r q ' w x q g h u w a q g ! E u l v f d o K q y h u h q v i r q v r q R r w w E r q i d f w O l d v a l j } d v r q d a g Y R U d j h a g d i u r p U r x v k C v i d , K q y h u q d v i r q d d U x g i h v C w r f l d v r q E r q i h u h q f h , X l u x d o r g h , 6 - 9 C s u o 2021.

f'' z' 3f' x t 3d h a g h u R r s x d w w i d g l f d o T l j k w d a g k q g l d : R h u s h f v y h v r q O l d v a l q x l j l a l q v l p , R r d v l f v r i U d f u h g d a g v k h Q v k h u ; K q y h u q d v i r q d d U x g i h v C w r f l d v r q E r q i h u h q f h , X l u x d o r g h , 6 - 9 , C s u o 2021

f'' z' 3f' x t 3Edq Hhp lqlwv r k h d u g l i i h u l a j y r l f h v A C f u l v f d o u h d g l a j r i i h p l a l w k l w u h v l q U r x v k C v i d , d i h l i l d v r q ' d a g e r x a g g d u h v , O d s s l a j H h p l a l w v K q y h u q d v i r q d o T h a v l r q v Y r u n v k r s , U C W F k d n d W q l y h u w l v , P r y h p e h u 23 - 24 , 2021

i'' x t t w t 3W t' xx3Cq Cohnuqdvir Kqynus uhvavr q r i M d x v l q d , D r r n g l v f x w l r q r q C u k d v k d w a d r i M d x v l q d : T h o y d a f h l q v k h 21 w E h q v u j , M h u d a l T d n d k d y d q , 16 C s u o 2021 (r q d q h h y h q v).

i'' x t t w t 3W t' xx3 €Er qvhuylaj " Ur yuhlj qv: Rur edhp dvlaj vkh l σedo Er qvhuqdvir q Cj haqd lq Vadqer xagduj Rur vnf vng Cuhdv€dv s duv i s uhvqvavr qv e| Ur fldo Uf l h q f h v d a g J x p d a l w h v E r k r w r i R d y d v h

Hæ z v, r y d a l v h g e l U g q h l U x w h { E r a h j h , E d p e u g j h , 23 O d u f k , 2021 (r q d q h h y h q v).

g'' t' '3Q' t t -t 3Er Y h Phhg w Hduvkh Fudj r q A C a d d v l a j E k l a d v K a y r g y h p h a w l q U r x v k C v i d d w v k h f r q i h u h q f h r q E k l a d d a g U r x v k C v i d & U r x v k h d w C v i d : K p s d f d v r q v i r u k q g l d , C p u l w d u R x q r d e , 27 - 28 v k C x j x w 2021 , Q u j d a l v h g e l U f k r r o r i U r f l d o U f l h a f h v , l x u x P d a d n F h y W q l y h u w l v .

g'' t' '3Q' t t -t 3 Rdul f l s d v n g l q T r x q g V d e d n r q d E r q f h s v a d } l a j T h j l r q ' d w K q y h u q d v i r q d o Y h e l a q d u r q T h f r q w a x f v l a j v k h d i h j l r q l q U r x v k C v i d , r y d a l v h g e l v k h F h s d u w p h a w r i K q y h u q d v i r q d o T h a v l r q v , U r x v k C v i d q W q l y h u w l v d a g F h s d u w p h a w r i R r d v l f d o U f l h a f h , l r d W q l y h u w l v r q 12 - 13 v k C x j x w 2021 .

N ' x t v t w x ' v t v ' x x x (q r w i d a j x a g h u v k h d v n g f d v n j r u h v)

f " t O t vhu yhg d v d f r - k r w r i v k h z r u n v k r s r q N w n g w v k h l σ e d o U r x v k ! W a f r y h u l a j v k h T r d n v r i U r x v k h u q C f w w l q Y u l v a j l σ e d o l h a g h u P r u p v , r y d a l j h g e l v k h W q l y h u w l v r i Y u e x u j , r q d q h , F h f h p e h u l d a g 2 , 2021 .

O'' 3Z xw t vhu yhg d v d a g r y d a l j h u d a g f r - k r w r i s d a q h o r q P r q - Y h v h u q V k r x j k w d a g K q y h u q d v i r q d o T h a v l r q v , r y d a l v h g e l P h s d d q w l w x v n i r u l k y h u q d v i r q d o E r r s h u d v r q d a g G a j d j h p h a w C x j x w 29 , 2021 .

f'' z' 3f' x t l q f r a e l e r u d v r q z l v k F k d n d W q l y h u w l v , r y d a l v h g v k h z r u n v k r s , O d s s l a j H h p l a l w v K q y h u q d v i r q d o T h a v l r q v l q U r x v k C v i d : R d v w d a g R u h v h q w P r y h p e h u 23 - 24 , 2021

g'' t' '3Q' t t -t f k d l u g d v h v l r q r q v k h p h r i P h s d o d a g J h u P h l j k e r x u , l q v k h K q y h u q d v i r q d o E r q i h u h q f h r q W a g h u w a q g l a j P h s d o v H r u l j q R r d f | , Q u j d a l v h g e l P h s d o K q y h u w l v i r u l k y h u q d v i r q d o E r r s h u d v r q d a g G a j d j h p h a w 27 - 28 P r y h p e h u 2021 .

g'' t' '3Q' t t -t 3Q u j d a l v h g K q y h u q d v i r q d o Y h e l a q d u (l q f r a e l e r u d v r q z l v k v k h F h s d u w p h a w r i R r d v l f d o U f l h a f h , l r d W q l y h u w l v) r q d i h f r q w a x f v l a j v k h d i h j l r q l q U r x v k C v i d r q 12 - 13 v k C x j x w 2021 .

i'' yfv' t ' x Qx 55tv 6 xv't Yxv x

f Sa 5	Qt x	f u-xv 6g 'v	f xt x at x '' Nyj''t ''
1	21.01.2021	l hr s r d v l f v l q v k h G u d r i l σ e d d v d v r q : v k h l d a g k l d a g R u d l v	Cp e . [r j h a g g u d M k p d u H f u h u C p e d w d g r u l r y h u q p h a w r i k q g l d
2	28.01.2021	C q v k u r s r f h q h l h r s r d v l f v	R u r i . U p r q F d a e , Y l o u g N d x u h u W q l y h u w l v , E d q d g d
3	18.03.2021	E r q v n p s r u d j U h f x u v y E k d a h a j h v r i U p d a o U a v n : R h u s h f v y h v i u r p U l N d q n d	F u J d l a q d X l g d a d j h , l h q h u d o U u l r k q M r v n a e z d a l F h i h a f h W q l y h u w l v , U l N d q n d
4	15.04.2021	" K q g x v D a v l q W a l q v n u x s v n g : C J l w r u l r i V h u l w u l d a g R r d v l f v i u r p C o h d a g h u w P h k u x "	R u r i W w a p M k p d u U a q k d , J h d g , P r q - V u d g l v r q d o U h f x u v y E h q v h , O d a r k d u R d u l n d u K q w l w x v n i r u F h i h a f h U a x g l h v d a g C a d d v h v (O R - H E U C) ; O d a d j l a j G a l w u U a v n j l f C a d d v l v (T r x v n g j h) ; C g n a q f v H f x o y O d a y l d E h q v h i r u R h d f h T h v h d f k , D J W , X l v l a j U h q l r u H a o z K q y h u w l v i r u P d v r q d o U h f x u v y U a x g l h v U l N d q n d (H U U N) , P h z F h k l

Kj dagglwq, vkh Fhs dwp hqw kdvr fr-rj dql}hg vkh ir az laj hyhqwr.

- 1. Vkh Dlgj hRur rhf wUr xvk Cvldq Wqlyhuwlj z helqdur q dFI & Jlj khugxf dvr q lq Ur xvk Cvld, 18 Hheudj 2021.
2. I r d Wqlyhuwlj dag Ur xvk Cvldq Wqlyhuwlj Kqvuudvr qdaz helqdur qdfhr qvxfvqj vkhdhj lq' lq Ur xvk Cvld, 12-13 Cxj xw2021.
3. Wqlyhuwlj ri Fkdnd dag Ur xvk Cvldq Wqlyhuwlj Yr unkr sr q Cds slaj Hhp lqlw Kqvuudvr qdo Thavr qlq Ur xvk Cvld: Rdwdag Ruhvhw Pr yhp ehu 23, 2021.

f wx .Nv' 'x x x

N 'vx' t x " W t

Dkdwdl, l dxudy dag Zt "' W z c t "3d/kh Phr-Mbxldj dq Hf hwr i Or glv Phlj ker xkr rg Rr df |: C Pr q-Y hvhuq Rhws hf wylh', Uvr vxqnlOl gj | qdur gr z h Kqvuudvr qdoThavr qvXr o56qr .2(2021).

Dr uxdk, T, Wgglsvd, d xp dq H af dag Dr ughu Hqfhv: Nr nlaj w Pr q-J xp dq Cf w w dvvkh Kjgr -Ddaj algvhk Dr ughu, Dr ughu lq l adeddvr q Thyhlz Xr o3, Pr. 1 (2021)

Krap, O. U. (2021), dWghuudqglaj Ddaj algvhk v Thavr qv z lvk Kqgl d dag Eklqd: Fl dhp p dvdag Thvs r qvhw, Lr xuqdar i vkh Kqgl d q Qfhda Thj l r q Xro 17 qr. 1, ss. 42-59. kwsv://gr l.r u j /10.1080/19480881.2021.1878582.

Krap, O. U. (2021), dWghuudqglaj Odvlp h Er qqh vlylv lq Ur xvk Cvld: Vkh Tr d r i Fr p hwlif dag G vhuqdoCf w u, Lr xuqdar i l r yhuqdfh, Uhf xuly, & Fhyhs s p hqwXr o1 qr. 2, 45-57. KUJUP: 2708-2490.

Krap, O.U. (2021), dWghuudqglaj H thlj q Rr df | ri Ddaj dedagkx: Rl qf l s dhv, Rur ulvhw dag Fl s p dvf Uv dvhj l hv, DKURds hu. Pr. 30. Pr yhp ehu2021

Krap, Udulixo (2021), d r klaj | d Thixj hh Or yhp hqwlq Ddaj algvhk: Kqvg h w dag Qxwlg h w lq Uv h aj vkh lq l q dag Y hdhqlaj ri Dr ughu d r ughu lq l adeddvr q Thyhlz (DK bThylz) Xr o3 Pr (1).

Ohkgi, Uj hg Ghvdu(2021), F hp | wli | laj Y r p hqv u r d h lq vkh Thvlwdqf h Rr dvf v r i Mv k p l u Kqvuudvr qdoHhp lqlw Lr xuqdo ri Rr dvf v Xro 23 qr. 2, 361-365. FQK 10.1080/14616742.2021.1882324

Ohkgi, Uj hg Ghvdu (2021), dqv h f xuly, Kghqvlj, dag Thvlwdqf h: Wqghuudqglaj vkh Er qv w u r i Ukld Rr dvf do Fl v fr xwh lq Mv k p l u (fr -dxvr uhg), Gfr q r p l f dag Rr dvf do' h hnd, Xr o56qr .3:51-55.

Ukdup d, Cqnxu (2021) Cqddv lv ri d Rdudho Kjir up do G f kdaj h Tdv h Uj v h p l q Kjgr -Dkxvldqvhv Dr ughuVr z qv, Lr xuqdar i Dr ughuudqglaj Uv xglhv, 36:4, 565-577.

O ' t x " O

Krap, O.U.(2021) Hivj [h dvr i Ddaj algvhk-Kqgl d havr qv: Kvxhv, fkdahaj hv, dag s r wleldvhw. Phz F h d l: Rhqvaj r q Ruhv.

Krap, O. U. (2021) E | ehu Uhf xuly: C P dvr qdo Rur ulv ir u Ddaj algvhk', Kq U. P. Tr p dqlxn & O. Odqrlmdq (Gv.), Tr xvohj h Er p s dqlr q w l adedo | ehu-Uhf xuly Uv dvhj | (s s.349-355), Nr qgr q: Tr xvohj h.

Ldfr e, Ehfid d dag Oxr h e Mlqv k, d dv h v s h h f k dag lq f lv h p h q w l q Kqgl d', l q Ruhvhw l q j d v h U s h h f k dag Kq f lv h p h q w d a g F l v f u p l q d v r q: N h v r q v r q R u r p r v l a j V r d h u d q f h d a g T h v s h f w i r u F l y h u l v l q v k h C v l d R d f l i l f, l C C O C E d a g C R U 2 0 2 1 s s. 159-195. C y d l a e d h d w k w s v: / j d d p d f . r u j / d v l d - s d f l i l f - w x g j - j u r x s

ct x c x x t "

Dr uxdk, T, Wgglsvd, s uhvhwng s ds hu V ' x " t v x y t h x x w O w x G N U " y V x " t Z " v " vt " " Qxy' " z ' x f " 4 V w t

O wx 3 PKEG Kqvuudvr qdo Uv xglhv Er qyhqwr q, P hs do Kqvwv v h ir u Kqvuudvr qdo Er r s h u d v r q d a g G a j d j h p h q w C x j x w 2 7 v k 2 0 2 1,

Fz lyhgl, Uxekdp (2021), Ruhvhwng Rds hu C w h w l q j E u l v f d o v h f k q r a j | U x s s d E k d l q v: S x d g d v d R a v i r u p i r u G s a d a j G r q r p | -U h f x u l v l K q v u d q n d j h v, K C K U U D a r p l a j w a q, P r y h p e h u 2 0 2 1

Fz lyhgl, Uxekdp (2021), Ruhvhwng Rds hu d k h D a v h i r u v k h 5 l U v l q a g d u g v: l h r s r d v f d o O d q h x y h w, E k l q h v h N h y h u j h, d a g V h f k q r Y r u a g Q u g h u, G E R T l h q h u d o E r q i h u q f h 2 0 2 1, C x j x w 2 0 2 1

Fz lyhgl, Uxekdp (2021), Ruhvhwng Rds hu d k h G y r a v l r q r i V h f k q r a j l f d o P d v r q d d v p l q R h r s d v h T h s x e d f r i E k l q d (RTE) dag Odgh lq Eklqd 2025, 26vk Y r u a g E r a j t h w r i R r d v f d d u f l h a q f h K R U C - C H R, N v e r q, L x d 2 0 2 1.

Fz lyhgl, Uxekdp (2021), Ruhvhwng Rds hu d h f k q r a j l f d o E r a g Y d u G x r s h d a q W a l r q d a g G p h j l a j C a d a q f h v d p r a j K q g x w l d o F h p r f u d f l h v, 1 0 v k E r q i h u q f h r i v k h G E R T U v l q a j l l u r x s r q v k h G x r s h d a q W a l r q, L x q h 2 0 2 1

Fz lyhgl, Uxekdp (2021), Ruhvhwng Rds hu d h f r q v x f w a j O h p h v: W a g h u u d q g l a j v k h P h z X h u d f x a d u r i R r d v f d o G s u h w l r q, K C C a q x d o E r q y h q w r q 2 0 2 1, C s u a 2 0 2 1

Fz lyhgl, Uxekdp (2021), Ruhvhwng Rds hu d h p l f r a g x f w u E r a g Y d u E r q f h s w d d l a j v k h F h f r x s d a j r i l a e d d h f k q r h f r q r p l f Q u g h u, K C C a q x d o E r q y h q w r q 2 0 2 1, C s u a 2 0 2 1

Fz lyhgl, Uxekdp (2021), Ruhvhwng Rds hu d k h r u l q j v k h P h z Y d y h F l v l q i r u p d v r q d a g O l v l q i r u p d v r q', 7 8 v k C a q x d o R U C E r q i h u q f h 2 0 2 1, C s u a 2 0 2 1

l k l p l u h, D l s l q (2021), Ruhvhwng Rds hu d r l a j D h l r a g J d u g R r d v f v: P h s d o G x r s h G a j d j h p h q w r q F h p r f u d f d a g F h y h a s p h q v r u j d a j l h g e | P h s d o K q v l v x v h i r u K q v u d v r q d o E r r s h u d v r q d a g G a j d j h p h q w (P K E G), 2 8 P r y h p e h u

M l v k a d a q, U l g k d u R u h v h w n g s d s h u (2021), E x u d l a j z l v k l q E | e h u s d f h: O x v h x p r i O d v h u d o h p r u l d a g v k h R r d v f v r i F l v s a j l', f r q i h u q f h r q a e x a x u d o j h u l v a j h, F l j l v j d v r q, d a g W l e d a q F l y h u l v l q C v l d' k h a g r q 2 3 & 2 4 U s v h p e h u 2 0 2 1 r u j d a j l h g e | C v l d T h v h d u f k K q v l v x v h, P d v r q d o W a l y h u l v l r i U a j d s r u h, U a j d s r u h (r q d a h h y h q w).

R x a p l, L O d a j l v k, " E r q i x f l d a q G r q r p | d a g D h o d a g T r d g K q l v d v y h " l q d f r q i h u q f h D u a j l a j K q g l j h q r x v G s h u l h q f h, V k h r u h v d a g R k l a v r s k l h v l q w K q v u d v r q d o T h a v r q v r u j d a j l h g e | P h s d o K q v l v x v h i r u l k v u d v r q d o E r r s h u d v r q d a g G a j d j h p h q w (P K E G). (13 C x j x w 2 0 2 1)

R x a p l, L O d a j l v k, " T h l p d j l a l a j U r x v k C v l d q T h j l r q d d v p v k u x j k H k a f v r q d o N a n d j h r i G a h j | " l q d f r q i h u q f h T h v l q n l a j T h j l r q d d v p l q U r x v k C v l d r u j d a j l h g e | U r x v k C v l d q W a l y h u l v l d a g W a l y h u l v l r i l r d. (12-13 C x j x w 2 0 2 1)

R x a p l, L O d a j l v k, E k l q d - K q g l d C a v a j r q l v l f E r r s h u d v r q: T h f d d e u d l a j P h s d o v H t h l j q R r d f | l q d f r q i h u q f h W a g h u u d a g l a j P h s d o v H t h l j q R r d f | r u j d a j l h g e | P h s d o K q v l v x v h i r u l k v u d v r q d o E r r s h u d v r q d a g G a j d j h p h q w (P K E G). (27 P r y h p e h u 2 0 2 1).

U k d u p d, C q n x u (2021), R u h v h w n g s d s h u l q P K E G K q v u d v r q d o U v x g l h v E r q y h q w r q z l v k d s d s h u s u h v h q v a v r q v l o n g - " H a q f l a j d a r s h q e r u g h u C a d d v l a j v k h K j g r - P h s d o v h d a q v a j r q l v l f d f v r q v r y h u M l a s d a j e r u g h u g l v s x v h v k u x j k v h f x u l v j d v r q v k h r u j "

Sx ' " G v ' t ' "

U x e k d p F z l y h g l u h f h y h g d H k a e u j k w P h k u x F r f w u d o T h v h d u f k H a z v k l s 2 0 2 1 - 2 0 2 2 i r u q l q h p r q v k v w u h v h d u f k v k h s u r r h f w a g s a d a j v k h h y r a v l r q r i C p h u f d a w a d v h j l f r q v h q v x v w f k d a h a j h v k h E k l q h v h f | e h u h f r v j v h p .

U x e k d p F z l y h g l, u h f h y h g X l d g u l q d E h q v h u D Q T F G T U R

O Q V I Q P - F C C F H a z v k l s C x j 2 0 2 1 U x e k d p F z l y h g l z d v v k h [r x v k K q v u u d v r r y h u q d a f h H r u x p (K H) H a z , K q g l d Q f v 2 0 - O d u 2 1

N ' x t v t w x ' v w x t v ' x x x

F l y l v k d U l y d w a y d z d v v h d f v n g w e h s d u w r i v k h f r k r u r i u h v h d u f k h w, h q v h s u h q h x u d a g s r d f | p d n h u w s d u v d n h l q d v z r - p r q v k h f v n q v y h f r x u h r q x a q g h u u d a g l a j v j v h p v, w a x f v x u h v d a g v h f w u v k d v r s h u d v h l q E k l q d r u j d a j l v h g e | C v l d E h q v u l H x a g d v r q H e u d u j - C s u a 2 0 2 1.

F l y l v k d U l y d w a y d z d v v h d f v n g d v d q h f s h u w w u h v h d u f k, g r f x p h q w d a g y l v x d d v h p h g l d h y d o z d v h u d u f k l v h f v x u h v d a g l a j l h q r x v z d v h u f r q v h u y d v r q s u d f v l f h v l q L r g k s x u e | v k h N y l a j Y d v h w O x v h x p d a g v k h O h k u d a j d u k O x v h x p V u x v w T h v h d u f k d a g g r f x p h q v d v r q z r u n x a q g h u u d n h q x a q g h u v k h l u d h j l v z d v s x e d f d a j h f k l e i v n g d v v k h O h k u d a j d u k O x v h x p l q F h f h p e h u 2 0 2 1, d a g z l a e h f r p h s d u w r i v k h N y l a j Y d v h w O x v h x p e f x u d v n g f d v a j x h v d a g u h v h d u f k u h s r u w l q O d u f k 2 0 2 2.



Department of Sociology

Department of Sociology

Faculty of Social Sciences

Vkh z d| vndfklaj - dnduqlaj lv w eh frqgxfvng kdv xqghj r qh vhd fkdaj hz lvk EQXIF 19 sdaqhp lf uhixvlaj w eulaj edfnwvghqww f dlvur p v. Vkh r qdqh vndfklaj ehf dp h d q r up d q g v r g l g r v k h u d f d g h p l f d f v l v l h v. H r u v r f l d o v f l h q f h v v k h g l i i l f x o l y d o r d u r v h e h f d x v h v k h g l i i l f x o l h v s r v h g l q f r q v h i w r i i l h o z r u n. D x w v k h q v k l v d e v h q f h r i i l h o z r u n l w h o e h f d p h d i l h o z r i l q y h w i j d v r q. E r q y h q v r q d o i r u p v r i l q v w v x v r q d o d f v l v l h v z h u h u s a f h g z l v k q h z h u d q g p r g l i h g i r u p v. V k h F h s d u r p h q w v z l v f k h g w r q d q h v n d f k l a j - d n d u q l a j , d o r f r q g x f v h g v h p l q d u d q g f r q i h u q f h v r q d q h.

Uhp lqdu d q g v a n v z h u h r u j d q l h g d v s d u r i v k h w x g h q w d n g l q l v d v h y r i a f n v k d z ' f r r u g l q d v h g e l F u K i d q x a e k H d u r t x l d v z h a e d v k h u j x a e l u v h p l q d u v h u l h v , f r r u g l q d v h g e l F u K k l v l F h j . F u O d a n d U k d n j d f r r u g l q d v h g h y h q w d v s d u r i a e l q h p d d a g U r f l h v y . C a v k h v h s u r j u d p v z h u h v k l i v h g r q d q h v x f f h w i x a l q v k h s t h y d l a j f r a g l v r q v.

Vkh i a j v k l s m x u d o r i v k h F h s d u r p h q w U r f l h v y d a g E x o x u h l q U r x v k C v l d k d v e h h q s x e d v k l a j z l v k u j x a e l u v y . U s h f l d o k v x h , h g l v h g e l F u K k l v l F h j v i v d n g d r f l d o F l v a l q f l a j , E Q X I F - 1 9 d a g U r x v k C v l d q G s h u l h q f h v z d v s x e d v k h g l q L d q x d u j 2 0 2 1 .

Vkh i d f x o l y p h p e h w k a y h f r p h r x w z l v k s x e d f d v r q v , z k l f k k a y e h h q z h a e h f h l y h g . V k h j f r q v l a x h w e h s d u r i l q v h u q d v r q d o d f d g h p l f q h v z r u n . R u r i . U d v d a n d R h u h d k d v v a l u h g d f r a e l e r a d v l y h t h v d f k v l v h g d h u l v a j h d v R a e f h p d n l a j : V k h R r d v l f v r i U r d g d u v y d a g G u d x u h l q U r x v k C v l d ' z l v k U r f l d o U f l h q f h D e k d (P h s d o , U r x v k C v l d q W a l y h u l v y (K a g l d) , U Q C U , W a l y h u l v y r i N r q g r q (W M) , d a g J h l g h a e h u j W a l y h u l v y (l h u p d a j) d v s d u r a h u . F u O d a n d U k d n j d k a v j r w d j u d a w i r u k h u t h v d f k s u r h f w r q C a q l p l f u e l d o T h v l v a l q f h d a g N d e r x u O l j u d v r q d f u r w J h d a k f d h D r x a g d u h v l q P r u k h u q U r x v k C v l d .

f w x t w " x w t w v 4 " x u x t 4 at x y c z t x G N f v " z Ot v 9798

Cij kdqlwala	0	O d a j l y h v	0
D d a j a e g h v k	10	P h s d o	0
D k x v a l q	1	R d n l w a l q	0
K a g l d	13	U l N d a n d	1
Q v k h u	0		

at x y c z t x G E ' " G ' Q f v " z Ot v 9

Cij kdqlwala	0	O d a j l y h v	0
D d a j a e g h v k	2	P h s d o	1
D k x v a l q	0	R d n l w a l q	0
K a g l d	3	U l N d a n d	0
Q v k h u	0		

Qx t" yStv Z x u x G

	at x	c' Q Nyy' "t " - lxt	Qx "z t "	N xt yf xv't " t " a/ x x
	C q n x u F d w d	N r q g r q U f k r r o r i G r q r p l f v , N r q g r q , W M 2 0 1 1	C w l w a l q w R u r i h v r u (U)	M a v k p l u U x g l h v , J l w r u j d a g O h p r u j , H r f h g O l j u d v r q , X l r d n q f h d a g E r q i d f w U r f l d o C q v k u r s r o j d a g G a k q r j u s k
	E k x g d p d a j D d v q h w	W a l y h u l v y r i l h r u j l d , C v k h q v , W U C , 2 0 1 0	C w l w a l q w R u r i h v r u	R r d v l f v , G r q r p , T h d j l r q , J l w r u j
	F h y P d v k R d v k d n	L d z d k d u a l o P h k u x W a l y h u l v y , P h z F h k l , K a g l d , 2 0 1 1	C w l w a l q w R u r i h v r u (U)	H r o s t h & R h u r u p d a q f h , R r s x a e l u E x o x u h & O h g l d (E l q h p d , O x v l f , & V k h d w h) , V k h r u h v f d o & O h v k r g r o j l f d o k v x h v l q U r f l d o v f l h q f h ; G s l w n p r o j d a g R k l o v r s k l q U r f l d o U f l h q f h , G g x f d v r q (U f k r r d a j & v n d f k l a j) , [r x v k d a g T h v l v a l q f h
	F l j d O h k u d	W a l y h u l v y r i V h i d v d C x w l q , W U C , 2 0 1 1	C w l w a l q w R u r i h v r u	W l e d q C q v k u r s r o j , C q v k u r s r o j d a g J l w r u j , R r d v l f v , l r y h u d a q f h d a g F h y h o s p h a q v k h C q v k u r s r o j r i G y h u j g d l d i h
	K i d x a e k H d u r r t l	L d z d k d u a l o P h k u x W a l y h u l v y , P h z F h k l , K a g l d , 2 0 1 4	C w l w a l q w R u r i h v r u	U r f l r o j r i N v h u d v x u h K r a e p d a g O x v d p v l q U r x v k C v l d , W l g x U x g l h v , U r x v k C v l d q U r f l d o v k r x j k w
	K k l v l F h j	W a l y h u l v y r i F h k l , K a g l d , 2 0 1 6	C w l w a l q w R u r i h v r u	G r q r p l f C q v k u r s r o j , H r g U x g l h v , H r f h g O l j u d v r q , N d e r x u U x g l h v , l h a q g h u & U r f l h v y , U f l h q f h & v h f k q r o j l q U r x v k C v l d
	O d a n d U k d n j d	N r q g r q U f k r r o r i G r q r p l f v d a g R r d v l f d o U f l h q f h , N r q g r q , W M 2 0 0 8	C w l w a l q w R u r i h v r u (U)	C q v k u r s r o j r i z r u n a e l e r x u w a d g h u j u r x s v d a g l a g x w a d o f a x w h u , G a k a l f l v y d a g v r f l d o p r y h p h a q w , D r u g h u a e l a g v , R r h v l f l p d j l q d v r q v r i q d v r q d a g u j l r q , l o e d o U r x v k d a g C i u f d
	T d y l M x p d u	L d z d k d u a l o P h k u x W a l y h u l v y , P h z F h k l , K a g l d , 2 0 0 7	C w r f l d v h R u r i h v r u (U)	R r d v l f d o G r q r p r i K g h q w l v R r d v l f v , U r f l d o v k h r u j , R r d v l f v r i M q r z d n g h R u r g x f v r q , U r f l d o R y h p h a q w
	U d v d a n d R h u h d	W a l y h u l v y r i E d d i r u q l d , U d a v a l D a l e d a d , W U C , 1 9 9 1	R u r i h v r u	R r d v l f v r i f l y l o v r f l h v y r u j d a j l d v r q v l a j r y h u d a q f h d a g g h p r f u d v y d v r q , l w x h v d a g s u r e d n p v r i x a e d a j l d v r q , F l q d p l f v d a g h g x f d v r q d a g v r f l d o d v r q l q h u d g l f d v a j r u s u r p r v a j v h f v a l d q f r q i d f w , R r d v l f d o y l r d n q f h

T t wSx ' " v yx xw x ux y ' xStv

F dwd, Cqxu(RK, Vdvd Vuxw - Rduwlr q Cufklyh Thvhdfk l udqyVdvd Vuxvw & vkh 1947 Rduwlr q Cufklyh, 15 Lxφ-15 Cxj xw2021, R Tv.50,000

Rhuhd, Udvdqnd, (Er-RK d huwvj h dv Ræfhp dnlqj : Vkh Rr dmfvr i Ur dgduv d q Gdvdh lq Ur xvκ Cvld, Hkqghg e| : TinvedqnhqvLxeldxp vir qg, l udqvdp r xqw 157.795

Ukdn|d, O dænd (Er-RK, Lhqv Uhhej (RK, Cdūxv Wqlyhuwv, Cqvlp l fur eldōThvvdqf h d q Nder xuOlj udv q d f ur w J h d d k f d h Dr x q g d u h l q Pr u k h u q Ur xvκ Cvld. Hkqglaj Cj h q f | : P r y r Pr u g l v n H x q g d v r q (P P H). F x u d v r q : 2022-2024. S x d q v x p r i H k q g l a j : 1500000 Gxur v.

Rw " t 6ex "x " z t w exyx xx" z N " x

X t 3et '3Er-hglwuri vuhlv, Ur flidoOryhp hqw d q Vudqvir up d v y h F l w h q w Tr x v h g j h , Phz F h κ l , 2015 w g d v h

X t 3et '3Ohp ehū Gglw udoDr dug, Lr x u q d o r i E u v f d o G g x f d v r q R r d f | U x g l h v

X t 3et '3Ohp ehū Gglw udo Dr dug, Ur Lr Lr x u q d o G g x f d v r q d o H x q g d v r q v d a g Ur flidoLxwlfh, Kqir up d v r q C j h R x e d v k l a j : E k d w w h , P r u k E d u r d a q

X t 3et '3Ohp ehū Gglw udoDr dug, Rklōvr sk| d q Vkh r q l q J l j k h u G g x f d v r q , R h v u n d a j , Phz [r u n

X t 3et '3Ohp ehū Gglw udo Er æ h f v y h , E u v f d o G g x f d v r q

X t 3et '3Ohp ehū Gglw udoDr dug r i D r r n U h u h v w h g D a r p v e x q E u v f d o G g x f d v r q , D a r p v e x q , N r a g r q

X t 3et '3Ohp ehū Gglw udoDr dug r i D r r n U h u h v w h g O d u l w U r f l d d w d a g Er p p x q l w U x g l h v l q G g x f d v r q , K q i r u p d v r q C j h R x e d v k l a j , E k d w w h , P r u k E d u r d a q

Ohp ehū Gglw udo C g y l v r q D r d u g , T h v k l a n l a j E u v f d o R h g d j r j | , r q o l q h d w k w s : / / z z . f u v f d d h g x f d v r q q h v z r u . q h w h v k l a n l a j - f u v f d e s h g d j r j | - f s / (K U P : 2717-8927)

f' t t3Zt " t3Ohp ehū Gglw udo Dr dug, Dhj kdkq Dr r nvJ xp dq G r q r p | U h u h v .

Qx 3V' " t3Gglw udo O hp ehū Ur flhv d q g Ex o x u h l q Ur xvκ Cvld.

Ot x 3P' wt t '3Ohp ehū Gglw udo Er æ h f v y h , Ur flhv d q g Ex o x u h l q Ur xvκ Cvld

Ot x 3P' wt t '3Ohp ehū Gglw udoEr æ h f v y h , U d p d m C g k d | d | d

St '3Vyt t' 3Ohp ehū Gglw udoDr dug, Ur flhv d q g Ex o x u h l q Ur xvκ Cvld

N " x Z x u x ' " y at " t 6V x t " t O w x

X t 3Tdl.Nih-O hp ehū K q g l d q Ur flr σ j l f d d u r f l h v

c u "vt "

N "v x P' t x " O

Ot x 3Ekxgdp d q l ,

f' t t3Zt " t52021. ČThdglaj Rduwlr P h s d o V k h R r h v f r i T d g l f d o H p l q l v p P h j r v d a j U h o d a g P d v r q l q H d k d q d k e u k l p d a g V d q x r d M t v k | d o (h g v .) U r x v κ C v l d q D r u g h u o d q g v : O r e l d w | , J l v w u | , C i i h f w E d p e d g j h / P [/ O h a e r x u g h / F h κ l / U l a j d s r u h : E d p e d g j h W q l y h u w v R u h w , s s . 146-171 , 2021 , K U D P : 978-1-108-84451-2.

Qx 3V' " t32021. ČLæj h U x g l h v d a g R r w l e d v h v r i d q x o l w s h f l h v h v k q r j u d s k | ' l q T h p h p e h u l a j K q g l d v y l a j h v . G g l v h g e | U d q v v k M U l a j k . F h κ l : C d n d u e r r n v . s s 89-103, 2021, KUDP 978-93-5002-720-2

Qx 3V' " t3dr flido F l w d q f l a j , Čr x f k - O h - P r w d a g v k h O l j u d q w Y r u n h u l l q K q g l d v O l j u d q w Y r u n h u w d a g v k h R d a g h p l f . G g l v h g D | T l v d r r w D d a g | r s d g k | d | , R d x a d D d q h u h h , T d q d e l u U d p d g g d u N r a g r q : T r x v h g j h . 2021 , K U D P 9781003246121

W t

Qx 3V' " t5U p h a e , l q v l p d v h a e r x u d a g g r p h w l f z r u n l q F h κ l , K q g l d , V k h U h q v h v d a g Ur flhv d , 16(3): 339-350, 2021, F Q K 10.1080/17458927.2021.1981927

Qx 3V' " t5ČEdgex q z h g v O l v k v : H v l r q , V d v h d a g U h a j C x v k h q v l v l y , 2021 K q v h u q d v r q d o L r x u q d o r i U r x v κ C v l d q U x g l h v 11:47-60

Qx 3V' " t5d v x w y U r f l d d v y d a g v k h R d a g h p l f ; 2021, Ur flhv d q g Ex o x u h l q Ur xvκ Cvld 7(1):11-15.

Qx 3V' " t5ČQ R d a g h p l f k p d j l q d u l . C q K q v h u y l h z z l v k E k u w v n q v h u v , U r f l h v d q g Ex o x u h l q Ur xvκ Cvld 7(1) 175 180.

Ot x 3P' wt t '5Čhedlaj Elylo Ur flhv d : P d j d u n U d p d m C a g P d j d u n F l v r x u h l q P G R C N U R h r s d h e O r y h p h q v K U x g l h v l q P h s d d J l w v q | U r f l h v y X r o 26 , P r 2:345-66, 2021 (KUP: 1025-5109)

Ot x 3P' wt t '5ČIggd h Edvhnv C j d l q w J l o J l j k E d v h R r d v f d d r p l q d v r q l q P h s d o E d q K q g l d q G s h u h q f h D h C N h v r q A F k d x a j l u L r x u q d o r i U r f l r σ j | d a g C q v k u s r σ j | 15:46-55, 2021 (KUP: 1994-2664)

Qt t3N 3cR d a g h p l f V l p h v l q O h v r s r d v a q K q g l d , l q N j k v k r x v h O d j d | l q h , K v x h 7 , s s . 80-83

St '3Vyt t' 3ČU d i h h q d E k d k | h K r D d k u h - D h n d u d d q M h N | h l q J l q g x w a q l | d e d d q , X r o 7 , P r . 1 (U k d p v x u T d k p d q H l u t l P x p e h u) , s s . 32-37 , K U P 0378-3928.

St '3Vyt t' 3V d q y h u C k p d g M k d q , O r k d p p d g U z d d k l q , Y d v l d J d p l g , Č t x d d v h v y h v x g | r q v k h k h d o k - v h h n a j e h k d y l r u d a g l w g h v u p l q d q w d p r a j f d u s h w z h d y h w l q M v k p l u l q J h d o k R u r p r v l r q K q v h u q d v r q d o X r o 36 , 18 O d | 2021 , s s . 1-14 , K U P 1460-2245.

Xx xNww x x t wV " xwgt

St '3Vyt t' 3ČG x f d v r q d a g / d v F l d o j x h : N h v r q v i u r p l d a g k l d a g V d j r u h d v d a g l d o j x h H x q g d v r q , P h z F h κ l , 14 L d q x d | 2021.

St '3Vyt t' 3ČR r h v q , R r d v f v , d a g v k h R r h v r T h o j l r q : O x k d p p d g K e d o d a g H l | C k p d g H l | d v d M T G C W q l y h u w v , U l f l v y , C a g k u d R u d g h v k , 8 H e u x d | 2021.

St '3Vyt t' 3ČM r z l a j K r a p d a g O x v d p v : Q q R r d v f v r i M r z d g j h F l w h p l q d v r q d w Č d j d u k N v h u d | H w v y d o , C o j d k l , 11 O d f k 2021.

St '3Vyt t' 3K q y l v h g w g l v f x w K i d a C k p d g v T h o j l r q d v E u l v x h : K r a p l f E u l v d o v k l a n l a j i u r p O h f f d w v k h O d u h v s a f h Č Č U x g h q w K r a p l f Q u j d q l v d v r q , P h z F h κ l , 10 U s v h p e h u 2021.

St '3Vyt t' 3Č l v f h u l a j F l d o j x h l q P h k u v T h i d f v r q v r q T h o j l r q , E x o x u h , d a g U h f x a d l v p d w Č q g l d o j x h H x q g d v r q , P h z F h κ l , 7 Q f w e h u 2021.

St '3Vyt t' 3Č h { v x d o d a g E r q v h q w C a d d v l q d z h e l q d u r q Č E r q v h p s r u d | E r q f h u q l q U r f l r σ j l f d o T h v h d f k : R k l o v r s k | d a g R u d f v f h , K q g u d s u d w k d E r a j h i r u Y r p h q , W q l y h u w v r i F h κ l , 20 Q f w e h u 2021.

St '3Vyt t' 3Č R r d v f v r i N v h u d v x h l q d Č N v h u d v x h Y r u n v k r s k h a g d v C o d k W q l y h u w v , M r a d v a d , Y h w D h a j d o P r y h p e h u 13 2021.

St '3Vyt t' 3Č P h k u r q T h o j l r q , E x o x u h , d a g R r d v f v : G a p h q v a d | T h p d u v d w Č E h q w h i r u U x g l h v r i R a u d u r f l h v h v , P h z F h κ l , 25 P r y h p e h u 2021.

X t 3et '3Č d h a g h g h g x f d v r q r u v k h a v w q d l o l q v k h f r i i l q r i s x e d f h g x f d v r q e d w K q v h u q d v r q d o U f l h q v l f U h p l a d u r q " N a j x l w l f r v k h u l a j d a g v k h u s u r g x f v r q r i

v k h v r f l d o w x f v x u h " r u j d a q l v h g e | v k h W P G U E Q / L d q x v | M r u f } d n E k d l u l q U r f l d o R h g d j r j | , V k h O d u l d l q h j r u h z v n d W q l y h u w v , Y d u d z , R r a d a g , L x φ 1 , 2021

X t 3et '3Č r v d N k { h p e x i j d a g v k h s h g d j r j | r i u h y r a v l r q : u h i d n f v r q v i u r p v k h K q g l d q N h i v d v K q v h u q d v r q d o E r q i h u h q f h r q Č r v d N k { h p e x i j d w 150 : T h y l v l a j k h u T d g l f d o N i h d a g N h j d f | r u j d a q l v h g e | T r v d N k { h p e x i j U h i v x a j , D h u d a , 4-5 O d f k 2021

Z x' t3Q' t3Č M e d a q U r f l d o G f o x v r q : U v e l u k a j z l v k N d i j h O h v r s r d v a q K q g l d q E l v h v (p r w o F h κ l) ; K q y l v h g d n f v x u h i r u v k h 2 q a g V z r Y h h n Q q d a h T h i u h v k h u E r x u h l q J x p d q T l j k w & U r f l d o K q f a v l r q r u j d a q l v h g e | v k h W E - J x p d q T h v x u f h F h y h a s p h a w E h q w h , L d p l d O l d d K r a p l d , F h κ l C x j x w l 1 , 2021.

Z x' t3Q' t3Č x d d v h v y h T h v h d f k O h v k r g v l q U r f l r - E x o x u d o C a v k u s r σ j | d a g U r f l r σ j | ; K q y l v h g d n f v x u h i r u d V z r - z h h n T h i u h v k h u E r x u h l q U r f l d o U f l h q f h v d a g J x p d a q l v h v , r u j d a q l v h g e | v k h V n d f k l a j N h u d a j E h q w h , T d p d a x r d a q E r a j h , P h z F h κ l , 12 26 L x φ 2021.

ct x c x x xwt wYxv x Qx " x xw

Qt t3N 3Cq K g h d o X l f v l p : v k h s r d v f d o d i h r i v k h M v k p l u R d a g l w l q K q g l d , d v d σ e d o R r s x d v p v , Q u j d a j | h g e | E k l f d j r E h q w h i r u E r q v h p s r u d | V k h r u | / W q l y h u w v r i E k l f d j r ' F h κ l E h q w h / P h z F h κ l , 6-7 F h f h p e h u 2021

Qt t3N 3Č R d a q h d w y d w d v l f k r σ j l f d o V u d x p d : C U f d u l a j C i v h u p d v k r i H t f h g O l j u d v r q g x h w E r q i d f w d a g X l r d h a f h , r u j d a j | h e | d h a o p h [r x u U w u | & l σ e d o U r x v κ E r a t x l x p , W q l y h u w v r i X l f w u d / Q a d a h R d a q h 22 P r y h p e h u 2021

Qx 3V' " t3R u h v h q v h g d s d s h u r q Č h a q w a d v l a j e r g l i h v d z r u n : K v l p d v h U h q v h a e r x u d a g g r p h w l f z r u n l q K q g l d d v s d u r i d s d a h a Č E k h p r v h q v h e h | r a g v f l h a f h : k r z v k h k x p d a q l v h v d a g v r f l d o v f l h a f h v f d a q l q i r u p v f l h a f h G x u s h d a E k h p r u h f h s v l r q T h v h d f k Q u j d a q l v d v r q (G E T Q) 2 0 2 1 , 1 6 U h s w h p e h u 2 0 2 1 (k w s v : / / z z . h f u r . r q d q h / p h h w a j v / h f u r - 2021 / s u r j u d p /)

Qx 3V' " t3R u h v h q v h g d s d s h u r q Č r g U d i h v y , Č r p h E k h i v , R a v i r u p E d s l v a d v p , d a g d k d u n d k d a d l q d r g l q / r i v k h R d a g h p l f ' e | E k u w W q l y h u w v , D d a j d a u d a g N y h u r r a l r s h W q l y h u w v , W M , 6-12 O d | 2021

Qx 3V' " t3R u h v h q v h g d s d s h u Č l p h a e d a g K v l p d v h N d e r x u F r p h w l f z r u n l q s h u s h f v y h l q W a f r p p r q U h q v h K 2021 e | E h q w h i r u U h q v r u U x g l h v , E r q f r u g l d W q l y h u w v 7-9 O d | 2021.

Z x' t3Q" t3Q Wledq Ur fido G f axlr q: Uvduqaj z lvk Ndij h Ohwr sr dvalq Kqglq Elvhu (p r wof F hkl); Nhf vxuh ghdyhuhg ir uvkh Ur flr oj | ri Kqgl f avw, F hs dup hqwr i Ur flr oj |, F hkl Ufkr r ori Gfr qrp lfv, F hkl, Uhs vhp ehu 23,2021.

cx x t3ft t t3Q dnlqj Rkr wj uds kv Us hdn: Xhqvduqj Dh|r qg Cqvkur s r oj | v Hhdur i vkh Xlv d of vxuh ghdyhuhg yld] rrp, r u j dql} hg e| F hs dup hqwr i Er p p xqlf dvr q, Wqlyhuwv ri J | ghudeg, 26 Cs do 2021.

cx x t3ft t t3Q r unqj z lvk Rkr wv: Ohvkr gr s j l f do Rr wledvhu ri Rkr wj uds kv lq Ur fido Thvhduf k, of vxuh ghdyhuhg yld] rrp, r u j dql} hg e| Hf x o v ri l u d g x d v h Uxglhv, Wqlyhuwv ri Er s p e r, r q 15 O d | 2021.

cx x t3ft t t3Q r p h lq O | Ddj ': Rlg up Vdyho Elv h qv k l s d qg Ex o x u d o Rr d v l f v C f u r w D r u g h u w, of vxuh ghdyhuhg yld] rrp, r u j dql} hg e| Ehqv h ir u C v l d q d q V u d q v f x o x u d o U x g l h v, W q l y h u w v r i J h l g h e h u j, 20 O d | 2021.

cx x t3ft t t3Q Wqlyhuwv edvhg Nhdulqj d qg Mqrz d g j h R u r g x f v r q l q v k h R r w E r y l g H k v u h' (kq U l q k d a e), of vxuh ghdyhuhg yld] rrp, r u j dql} hg e|

F hs dup hqwr i O d w O h g l d, U l R d d h E d p s x v, W q l y h u w v r i E r s p e r, 12 L x q h 2021.

cx x t3ft t t3Q U Ndqndq Kqvxavlv; R d q h o g l v f x w l r q z l v k R u r i h w r u G l f O h | h u d w v k h H l h q f k U s u a j H h w l y d o g h d y h u h g y l d] r r p, r u j d q l } h g e | G p e d w | r i H u d q f h, E r s p e r, U l N d q n d, 5 L x d | 2021.

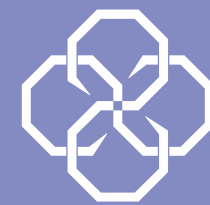
f' t t3Zt " t3Q vkh Kqkhuwv f h r i N r w: V k h l d u p h q w K q g x w v | C i v h u d i h l q M v k p d a g x d w C w r f l d v r q r i K q g l d q N d e r x w l w u d q v (C K N) d a q x d o f r q i h u q f h, 14 P r y h p e h u 2021 (z helqdu).

f' t t3Zt " t3Q Rr w E r q i d f w u d g h W q l r q v P h j r v d v a j v k h E r y l g 19 N r f n g r z q d w v k h C s h q e r u g h w e h v z h h q P h s d o d a g K q g l d, C w r f l d v r q r i K q g x w u d o T h a v r q v r i v k h C f d g h p l f v r i C x w u d d d a g P h z] h d a t q g d a q x d o f r q i h u q f h, 3 H e u d u j 2021 (z helqdu).

i " " y f v t ' x Q x 55 t v 6 x v t Y x v x

f 5a 5	Qt x	f u-xv g "v	f x t x a t x " ' N y y " t "
1	06.01.2021	Thylvduqj w r o r i n a w l f h	Rur ihwv u M d a s d a d M d q q d e l u d q, F l u h f w u E r x q f l o i r u U r f l d o F h y h o s p h q w l g h u d e g
2	13.01.2021	H l h q g v r i E d s l v d o Q q J l w u j, O h p r u j d a g v k h d i h r i z r u g v l q R r w k q g x w u d o D h a j d o	F u C w h h h O d n o p g h u J l w u l f d o d a g R r d v l f d o C q v k u r s r o j l w
3	20.01.2021	E r p p x q l v y d i v h u E a l w: E u v l t x h F x u a j v k h N h e d q h v h Y d u	F u H d g l C. D d u g d z l o F x n h W q l y h u w v
4	03.02.2021	T l w d a l q N y h o k r r g: V k h N d q g Y d v h u F q d p l f v l q K q g l d q U x q g d e d a v	R u r i h w r u C p l v h v O x n k r s d g k d , L d g d y s x u W q l y h u w v
5	10.02.2021	C k d p d a z d v i u j k v h q h g e h f d x v h K d p d E k d n p d z r p d q U h p d q v l f R r d v l f v r i K q g l j h q l v y	F u] r e d l g d P d v h h q, F k d n d W q l y h u w v
6	24.03.2021	D r r n F l v f x w l r q: G d h p h q v u l C v s h f w r i v k h R r d v l f d o e R u d v k d p d D d q h u r h h	R u h v h q v h u: R u r i h w r u R u d v k d p d D d q h u r h h, E U F U, F h k l F l v f x w d q w: R u r i h w r u U d v d q n d R h u h u d, U C W R u r i h w r u [d v p h h q C u i, U P W
7	31.03.2021	I o e d a l l w u l h v d a g R r d v l f v r i G p h j h q f X d f l q h v	F u F z d l s d d q D d q h u r h h, O d w d f k x v h w W q l y h u w v r i V h f k q r o j

8	07.04.2021	U a y h l q d R d a t x l q: E r o q l d o U h y l w g h d a g T h v l w a q f h l q U l N d q n d	R u r i h w r u P l u d Y l n u d p d v a j k h, E k d l u R u r i h w r u r i O r g h u a C v l d q U x g l h v, N h l g h q W q l y h u w v
9	22.09.2021	V r o j x a j h w V r o z r r g: V k h D h a j d o H o p K q g x w v T h p l p d j l q h g (D r r n g l v f x w l r q)	C a x j d q P d j, C L M O d w E r p p x q l f d v r q T h v h d u f k E h q v h, L d p l d O l d d K r o p l d F u U s d a g d q D k d w a f k d u j d, D W U R l a d l J g h u d e g E d p s x v
10	27.10.2021	F h s r u a v r q d a g V h p s r u d o F l v s r v h w l r q	R u r i h w r u U k d k u d p M k r v k u d y l, U w f n k r o p W q l y h u w v
11	03.11.2021	E h d v i l u h E l v y: O l d v u l v p, E d s l v d o v p, d a g W e d q l v p l q F l p d s x u	F u F r o p M n r q, W q l y h u w v r i O h a e r x u q h R u r i h w r u U l g g l t Y d k l g, C g n o q f w H o e z, K q w l w x v h r i E k l q h v h U x g l h v F h k l
12	17.11.2021	E u h d v a j Y r p h q d a g Y r u o g v: C O r v k h u O l g z l i h l r g g h w, T l w d o R u r g x f v r q v d a g T h s u r g x f v y h N d e r u	F u K q g l u d C u x p x j d q, P d v r q d o W q l y h u w v r i U a j d s r u h
13	22.12.2021	E r o e l e r u d v y h T h v h d u f k R u d l v: V k h L r x u q h r i T h g d a g l r o g R h q	F u U s x u q d D d q h u r h h, I F U M M t o n d v e l C u f k l v l k d v a n, R d u f k l v U d p l d U a j k, K o x w a d v u



Annexures

Auditor's Report

amit ray & co.
CHARTERED ACCOUNTANTS

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Website : www.amitrayco.com

Ref. No.....

Date.....

Independent Auditor's Report

To

The President
South Asian University
New Delhi

Qualified Opinion

We have audited the attached Financial Statements of the South Asian University ("the University") which comprise the Balance Sheet as at December 31st, 2020, Statement of Income & Expenditure and statement of receipts & payment for the year ended 31st December, 2020 and summary of Significant accounting policies and other explanatory information thereon

In our Opinion and to the best of our information and according to the Explanations given to us, the accompanying financial Statements of the university give a true and fair view subject to the observations reported under Annexure -I attached with the Report

Basis for Opinion

We conducted our audit in accordance with Standards on Auditing (SAs). Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the financial Statements together with notes and summary of significant accounting policies thereon section of our report. We are independent of the entity in accordance with the ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion. Proper Books of Accounts have been kept so far as appears from our examination of those books and the above mentioned financial Statements together with Notes thereon is in agreement therewith

Page 1 of 6

subject to the observations reported under Annexure -I attached with the Report.

Responsibilities of Management and Those Charged with Governance for the Financial Statement together with notes and summary of Significant accounting policies thereon.

The management is responsible for the preparation of these financial Statements together with notes and summary of Significant accounting policies that give a true and fair view of the financial position & financial Performance of the university in accordance with the accounting standard issued by the institute of chartered accountants of India and for such internal control as management determines is necessary to enable the preparation of Financial Statement together with notes and summary of Significant accounting policies thereon that are free from material misstatement, whether due to fraud or error.

In preparing the Financial Statement together with notes and summary of Significant accounting policies thereon, management is responsible for assessing the entity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the entity or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the entity's financial reporting process.

Auditor's Responsibilities for the Audit of the financial Statements together with notes and summary of Significant accounting policies

Our objectives are to obtain reasonable assurance about whether the Financial Statement together with notes and summary of Significant accounting policies as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these Financial Statement together with notes and summary of Significant accounting policies.



As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control.

Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the Financial Statement together with notes thereon or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the entity to cease to continue as a going concern.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We report that:

1. We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit subject to the observations reported under Annexure -I attached with the Report.
2. In our opinion proper books of account as required by law have been kept by the University so far as it appears from our examination of those



books subject to the observations reported under Annexure -1 attached with the Report.

3. The financial statements give the information required by the governing law/ rules/regulations in the manner so required and give fair view in conformity with the accounting policies, of the University subject to the observations reported under Annexure -1 attached with the Report.

a) In the case of Balance sheet, of the financial position as at 31 December 2020

b) in the case of the Income & Expenditure account, of the income and expenditure incurred during the year ended.

c) In the case of Receipt and Payments Accounts for the year ended on that date.

4) The Balance Sheet, the Statement of Income & Expenditure and the Statement of Receipt and Payments dealt with by his Report are in agreement with the books of accounts subject to the observations reported under Annexure -1 attached with the Report.

5) The University has, substantially and in all material respects, complied with the governing laws/rules/ regulations while carrying its operations subject to the observations reported under Annexure -1 attached with the Report.

This Report is intended solely for the information of the operating committee Members only .This Report is not to be used, referred to, or distributed for any other purpose without our prior written consent.

For Amit Ray & Co
Chartered Accountants
FRN-000483C



Sandeep Chaudhary
Partner
M. No. 415858

UDIN No. 22415858AILNPR5023

Place: New Delhi
Date: 05.05.2022

SOUTH ASIAN UNIVERSITY
CONSOLIDATED CONTRIBUTION
BALANCE SHEET AS AT 31ST DECEMBER 2020*

CORPUS/CAPITAL FUND & LIABILITIES	Schedule	Current Year	Amount (Rs.) Previous Year
Corpus Fund	1	691,378,435.11	604,480,605.33
Capital Fund		8,464,250,164.10	7,529,053,245.10
General Fund		285,831,158.71	245,976,766.00
Earmarked /Endowment Fund	2	(47,771,079.51)	(37,408,739.37)
Current Liabilities	3	1,356,960,635.12	1,929,602,263.58
TOTAL		10,750,649,313.53	10,271,704,140.64
ASSETS			
Fixed Assets Gross Block	4	8,802,618,280.10	7,845,878,940.10
Less: Depreciation till date		338,368,116.00	316,825,695.00
Net Assets		8,464,250,164.10	7,529,053,245.10
Current Assets	5	2,286,399,149.43	2,742,650,895.64
TOTAL		10,750,649,313.53	10,271,704,140.64
Significant Accounting Policies and Notes on Accounts	11		

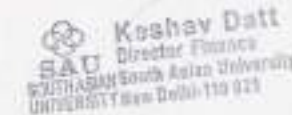
For Amit Ray & Co.,
Chartered Accountants

CA.Sandeep Chaudhary
Partner
Membership Number: 415858
Firm No. 000483C
Place : New Delhi
Date: 05.05.2022



For South Asian University

CA. Keshav Datt
(Director Finance)



Prof. Ranjan K. Mohanty
(Acting President)



*Audited by SAU Statutory Auditor

**SOUTH ASIAN UNIVERSITY
CONSOLIDATED CONTRIBUTION
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST DECEMBER 2020***

<u>INCOME</u>	Schedule	Current Year	Previous Year
Contributions from Member States		963,320,443.00	943,247,194.00
Capital Fund Transferred (to the extent of Depreciation)	4	21,816,785.00	24,513,079.00
Academic Receipts	6	39,321,501.60	37,712,170.00
Other income	7	1,430,692.11	1,710,704.00
TOTAL		1,025,889,421.71	1,007,183,147.00
<u>EXPENDITURE</u>			
Establishment Expenses	8	425,909,215.00	442,454,932.00
Other Administrative Expenses etc.	9	430,219,870.00	409,230,341.00
Academic Expenses	10	108,089,159.00	92,383,148.00
Depreciation: During the Year	4	21,816,785.00	24,513,079.00
TOTAL		986,035,029.00	968,581,490.00
Balance being surplus carried forward to General Fund	11	39,854,392.71	38,601,649.00

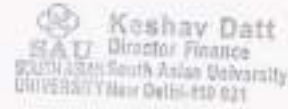
For Amit Ray & Co.,
Chartered Accountants.

CA. Sandeep Chaudhary
Partner
Membership Number: 415858
Firm No. 000483C
Place : New Delhi
Date: 05.05.2022

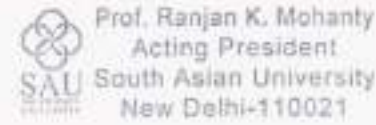


For South Asian University

CA. Keshav Datt
(Director Finance)



Prof. Ranjan K. Mohanty
(Acting President)



*Audited by SAU Statutory Auditor

**SOUTH ASIAN UNIVERSITY
OPERATIONAL CONTRIBUTION
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST DECEMBER 2020***

		Amount (Rs.)	
		Current Year	Previous Year
I. RECEIPTS	I. Expenses		
a) Opening Balances	a) Establishment Expenses		
i) Cash in hand	b) Administrative Expenses		
ii) Bank Balances	c) Academic Expenses		
1. In Current & savings accounts	d) Expenditure on Fixed Assets		
ii. In deposit accounts	e) Purchase of Fixed Assets		
Contributions Received	Other Payments		
Operational Contribution from SAARC Member States	a) Advance to Staff/ students		
Interest Received	b) Advance to Service Provider/ Vendors		
a) On Bank deposits	c) Refund of Security deposits (EMDs)		
IV. Academic Receipts	d) Temporary Loan to Capital Account		
a) Fees From SAU Students	e) Deposit of Security with Government/PSFD		
V. Other Receipts	f) VAT / GST		
a) Other Capital Fund Receipts	g) Utilities towards service provider/ vendor/ paid		
b) Security Deposit from Students	h) Amount for common services paid on behalf of MOA		
c) Security Deposit from Vendors	i) Utilities towards staff and students paid		
d) Earnest Deposit from Vendors	j) Research & Development project payments		
e) SAARC Silver Jubilee Scholarship GOI receipts	k) Refund of students security deposit fee		
f) Research & Development project receipts	l) SAARC Silver Jubilee Scholarship		
g) Other Misc Receipts	m) Investments in Mutual Fund		
h) Other Misc Deposits (student and fund)	n) Prepaid Expenses		
i) Refund of Temporary Loan from Capital Account	Closing Balances		
Advance from staff/ students received	a) Cash in hand		
Amount for common services received from MOA	b) Bank Balances		
Sale of assets	1. In current & savings accounts		
Mutual Fund Receipt	ii. In deposit accounts		
GST Refund Received	TOTAL	1,719,521,787	1,619,431,340

For Amit Ray & Co.,
Chartered Accountants
CA. Sandeep Chaudhary
Partner
Membership Number: 415858
Firm No. 000483C
Place : New Delhi
Date: 05.05.2022



For South Asian University
CA. Keshav Datt
(Director Finance)
Keshav Datt
SAU (Director Finance)
SAU South Asian University
New Delhi-110021

Dr. Ranjan Kumar Mohanty, Ranjan K. Mohanty
(President) Acting President
SAU South Asian University
New Delhi-110021

*Audited by SAU Statutory Auditor

Members of Governing Board

1.	Nyz' t " t	<p>Z 5e' t' e' t " Fhs xvŷ Olqlwñuir uCfdghp lf Ciidlw Olqlwñ r i J lj khuGgxf dñr q Kwlp lf Ths xedf r i Cij kdqlwñq Mlaxo Cij kdqlwñq</p> <p>Z 5Nuw gt tu Ot t t t " Fhs xvŷ Olqlwñuir uCfdghp lf Ciidlw Olqlwñ r i J lj khuGgxf dñr q Kwlp lf Ths xedf r i Cij kdqlwñq Mlaxo Cij kdqlwñq</p> <p>Z 5T' t t t "X' t ' ' " Fluhfw ul hqhudoir uThj lr qdoEr r s hñdñr q Olqlwñ r i H thlj q Ciidlw Ukdñ Odñp r r g l kdñ IY dñw (Cyh qxh) O dññ Cvj khuUt xduh, Mlaxo Cij kdqlwñq</p>	<p>z .h.i. 21.09.2021</p> <p>xs w 20.09.2021</p>
2.	Ot z twx'	<p>Q 5Xt "f' t' 'w t' Ekdlup dq Wqlyhuwlv l udqwer p p lwlr q (W E) Ddaj æghvk</p> <p>Z 5Z w5f' t Ut x Fluhfw ul hqhudo (UCCTE & DIO UGGE) Olqlwñ r i H thlj q Ciidlw F kdnd, Ddaj æghvk</p>	
3.	O' t	<p>Z 5g' x t z P5Q -" Fluhfw u Fhs duwp hqwr i UCCTE & Thj lr qdoQij dñl} dñr qv, Olqlwñ r i H thlj q Ciidlw Vklp s kx, Dkxvñq</p> <p>Z 5e" v' x X x Fluhfw u Fhs duwp hqwr i UCCTE & Thj lr qdoQij dñl} dñr qv, Olqlwñ r i H thlj q Ciidlw Vklp s kx, Dkxvñq</p> <p>Z 5gt' "at z t Fluhfw u Fhs duwp hqwr i Cgxoñdñq J lj khuGgxf dñr q Olqlwñ r i Ggxf dñr q Tr dol r yhuqp hqwr i Dkxvñq Vklp s kx, Dkxvñq</p>	<p>z .h.i. 30.08.2021</p> <p>xs w 29.08.2021</p> <p>z .h.i. 30.08.2021</p>

		<p>Z 5Xx t z P' wx Q -" Fluhfw ul hqhudo Fhs duwp hqwr i Cgxoñdñq J lj khuGgxf dñr q Olqlwñ r i Ggxf dñr q Tr dol r yhuqp hqwr i Dkxvñq Vklp s kx, Dkxvñq</p>	xs w 29.08.2021
4.	V w t	<p>Z 5Ut' X t W" Cggñr qdoUhf thvñl} (DIO UGGE & UCCTE) Olqlwñ r i G vñuqdoCiidlw l r yhuqp hqwr i Kqgld, Phz F hñl</p> <p>Z 5i" t wx ct Cggñr qdoUhf thvñl} (DIO UGGE & UCCTE) Olqlwñ r i G vñuqdoCiidlw l r yhuqp hqwr i Kqgld, Phz F hñl</p> <p>c y5Q55" z' Ekdlup dq Wqlyhuwlv l udqwer p p lwlr q Phz F hñl</p>	<p>z .h.i. 03.02.2021</p> <p>xs w 02.02.2021</p>
5.	Z t w' x	<p>Q 5Z' t xwf' t xxy Xlfh Ekdlup hñu Vkh Odñlyhv P dñr qdoWqlyhuwlv O dññ, Ths xedf r i Odñlyhv</p> <p>Q 5ñ t " Ut t Olqlwñ r i J lj khuGgxf dñr q Olqlwñ r i J lj khuGgxf dñr q O dññ, Ths xedf r i Odñlyhv</p>	
6.	ax t	<p>c y5O" c t twf uxw' Ekdlup dq Wqlyhuwlv l udqwer p p lwlr q, P hs do</p> <p>Z 5T' t ' t O' t wñ " Lr lqwUhf thvñl} dñq J hdg r i vkh Thj lr qdoQij dñl} dñr q F lylvlr q, Olqlwñ r i H thlj q Ciidlw l r yhuqp hqwr i P hs dñ Mñvñp dñqñ, P hs do</p> <p>Z 5g" ' t et-j tz x Lr lqwUhf thvñl} dñq J hdg r i vkh Thj lr qdoQij dñl} dñr q F lylvlr q, Olqlwñ r i H thlj q Ciidlw l r yhuqp hqwr i P hs dñ Mñvñp dñqñ, P hs do</p>	<p>z .h.i. 15.08.2021</p> <p>xs w 14.08.2021</p>

7.	ct " t	<p>Q 5f' t" t f ' t" G hf x vlyh F luhf w u Ekdlup dq (Cf vqaj) J lj khuGgxf dvr q Er p p lwr q Kwlp dedg, Rdnlwql</p> <p>Q 5gt " Ot " Ekdlup dq J lj khuGgxf dvr q Er p p lwr q Kwlp dedg, Rdnlwql</p> <p>Z 5hut'w4 4ex' t a" t t " F luhf w ul hqhudo(UC&UCCTE) O lqlwql r i H thlj q Ciidlu, Kwlp dedg, Rdnlwql</p> <p>Q 5Z ' t twSt" t F luhf w ul hqhudo(UC & UCCTE) O lqlwql r i H thlj q Ciidlu, Kwlp dedg, Rdnlwql</p>	<p>z .hi. 30.07.2021</p> <p>xs w 29.07.2021</p> <p>z .hi. 30.07.2021</p> <p>xs w 29.07.2021</p>
8.	f "Yt t	<p>c y5ft t ' N t t zt Ekdlup dq Wqlyhuwly l udqw Er p p lwr q, Er o p er</p> <p>Q 5ft t ' N zt t O hp ehur i Rdudp hqw Er o p er, U l Ndqnd</p>	
9.	fNNePfxvxt 't	<p>fNNePfxvxt Txxt 0 7 g w l URSZ 5Rtte t jxxt UCCTE Uhf uhvdlj l hqhudo UCCTE Uhf uhvdludw/Mdvk p dqgx, P hs do</p>	
10.	f ' N 't h " x "	<p>c y5e5K5Z ' t e ™ d d</p> <p>Z 50'u' twg " t ' Cf vqaj Thj lwwdu & Pr q-Xr vqaj O hp ehuUhf uhvdlj</p> <p>Q 5N5K5Z t " Thj lwwdu & Pr q-Xr vqaj O hp ehuUhf uhvdlj</p>	<p>z .hi. 02.07.2021</p> <p>xs w 01.07.2021</p>

Members of Executive Council

1.	c y5e5K5Z ' t Ekdlus hwr q, Ruhvghqw(Qiij .)	
2.	c y5fx ' " X5x z t Cf vqaj Xlf h RuhvghqwUCW	z .hi 24.12.2021
3.	c y5ft t P' t xw" Ekdlus hwr q, Neudj Cgyivr u j Er p p lwbh	
4.	c y5Qxx t f" ' t F hdq r i Uxghqw, UCW	
5.	c y5ft t t cx x t F hdq, HUU-UCW	z .hi. 01.09.2021
	c y5ft t P' t xw" F hdq, HUU-UCW	xs w 31.08.2021
6.	c y5fx ' " X5x z t F hdq, HNU-UCW	
7.	c y5c t tu X5Z ' " F hdq, HD EU-UCW	
8.	c y5f " X t F hdq, HG-UCW	
9.	Q 5f " " t O t Cwr f ldvh F hdq, HNU-UCW	z .hi 01.12.2021
	Q 5et " wt c t t Cwr f ldvh F hdq, HNU-UCW	xs w 30.11.2021
10.	Z 50'u' twg " t ' Cf vqaj Thj lwwdu & Pr q-Xr vqaj O hp ehuUhf uhvdlj	z .hi 02.07.2021
	Q 5N5K5Z t " Thj lwwdu & Pr q-Xr vqaj O hp ehuUhf uhvdlj	xs w 01.07.2021
11.	Z 5Xx ' t Qt F luhf w u-Hqdqf h, UCW Pr q-Xr vqaj O hp ehu	

Members of Academic Council

1.	c y5e5K5Z ' t Ekdlus hwr q, Ruhvlghqw(Qiij .)	
2.	c y5f x ' " X5i x z t Cf vlvaj Xlf h RuhvlghqwUCW	z .hi 24.12.2021
3.	c y5ft t t cx x t F hdq, HUU-UCW	z .hi. 01.09.2021
	c y5ft t P' t xw' F hdq, HUU-UCW	x s w 31.08.2021
4.	c y5f x ' " X5i x z t F hdq, HNU-UCW	
5.	c y5c t tu X5Z ' " F hdq, HOEU-UCW	
6.	c y5f " X t F hdq, HG-UCW	
7.	Q 5f " " t O t Cvvr f ldvh F hdq, HNU-UCW	z .hi 01.12.2021
	Q 5et " wt c t t Cvvr f ldvh F hdq, HNU-UCW	x s w 30.11.2021
8.	c y5ft t P' t xw' Ekdlus hwr q, Neudl Cgylvv uj Er p p lwhh	
9.	c y5Qxx t f " ' t F hdq r i Uxvghqw, UCW	
10.	c y5et t X t Z ' t 3 Ekdlus hwr q, F hs wr i O dvlkhp dmf v, HOEU-UCW	
11.	Q 5et " X t Ekdlus hwr q, F hs dwp hqwr i Ur flr sj , HUU-UCW	
12.	Z 5O'u' twg " t ' Cf vlvaj Thj lwdud& Pr q-Xr vlvaj O hp ehuUhf thvdlj	z .hi 02.07.2021
	Q 5N5K5Z t " Thj lwdud& Pr q-Xr vlvaj O hp ehuUhf thvdlj	x s w 01.07.2021

Members of The Finance Committee

1.	c y5e5K5Z ' t Ny e ™ 4P w 5 y 1 Ur xvk Cvldq Wqlyhuwlvj Phz F hkl
2.	c y5f x ' " X5i x z t Ny k y e ™ b x 5 y 1 Ur xvk Cvldq Wqlyhuwlvj Phz F hkl
3.	b x " xx y ' xT x " z O t w/e x8C85 0 n x w ™ b x
4.	c y5Z ' twex t St t k y P w y N ™ w w ™ T w y N w 4 Zwx j yhuwlvj, Cij kdqlwvlj
5.	Z 5Z ' t twR t hww' R y T w y 4l j 4 R w w4Ow w ™
6.	Qxt 3TahO 5 y 1 Ur xvk Cvldq Wqlyhuwlvj, Phz F hkl
7.	Qxt 3Tb Ph 5 y 1 Ur xvk Cvldq Wqlyhuwlvj, Phz F hkl
8.	exz" t (Q-r iilflr) Pr q-yr vlvaj O hp ehuUhf thvdlj Ur xvk Cvldq Wqlyhuwlvj Phz F hkl
9.	PNXx ' t Qt R y T w y 5 y 1 Ur xvk Cvldq Wqlyhuwlvj Phz F hkl