

2021 4 B

2020 11



4#.d(Ô&ÉÛ%Ê2&É4#.d(Ô&ÉÛS7[œ*èWb|: ^¿x-'†vU>*Q€_ ʔ[^ö&OÛŠ
†âXÛ#Ôb°Û†Óu•

q 4\$×[2zKSÛ/î%Ê2xÛ7•\$×%Ê2†Ûî»M•-'†wM•Ç
r #.Û>*dÛ>* _ &ÉÛ_664 M•(5 b%Ê2*...x•/î*... ^}•S6Ûö†wM•*Ë _>8Zæ_\$x
^zm†,:G\†% æMÇ
s œÈ8M8ô\1_>#.#.Û>*dÛ>* _ &ÉÛ_664 M•Ûæ8•æ_>E•9xØ^%±1'\%Ê2+ Š†3
_ÛE>*`0...\$x0!!?} à)F+ ^\$ÍŽ†_C&ÉÛ bS(x...ælg\7•&k b1"8ÿ0ŽôlblÖ
-†wM•Ç
t &k Ç\KZb,1'\%Ê2*...i9xØS6Û•/î*... \KZbÔ#0†3_ÛESÇ

ö	.....	2
	.....	5
	.....	6
	.....	6
	.....	6
	.....	6
	.....	6
	.....	6
	.....	7
	.....	7
	.....	7
	.....	9
<input type="text"/>	10
	.....	10
	.....	11
	.....	11
<input type="text"/>	13
	.....	13
	.....	15
	.....	16
<input type="text"/>	17
	.....	17
	.....	17
	.....	18
<input type="text"/>	19
	.....	19
	.....	19
	.....	20
<input type="text"/>	21
	.....	21
	.....	21
	.....	22
	.....	23

.....	25
.....	25
.....	25
.....	25
.....	25
.....	26
.....	26
.....	27

•Û±Û7T>4#.d(Ô&ÉÛ%Ê2&É>&\$~1"i<† >'>4#.d(Ô&ÉÛS7b M+á4E±Û#ÔÀ7ÿ[>* 2021 °
 4 v°Ûb Û#Ô† b\>~À7ÿKrM

2021 ° 4 v°Û>& B ¥&i'

S7	ÉBçÛÒ	(À7ÿ Ç(eœO› 8ª8@f›
	XÛÉBçÛÒ	128	J,i	#.Û(Ô-| 739-8526 ¾Éâw6-£MN% 3\$ 1 • TEL>8(082)424-7309>*4468
	"@#.ÛÉBçÛÒ			
	..#†hí@«_òÛÉBçÛÒ			
	ö&OìÛÉBçÛÒ			
	Â#ÝìÛÉBçÛÒ			
	ìÛdÛÉBçÛÒ			dÛ(Ô)rÓ-| 739-8527 ¾Éâw6-£MN% 4\$ 1 • TEL>8(082)424-7518
	7Á¼©«_òDšÉBçÛÒ			
	µ"dÛÉBçÛÒ			
	>4 #. Û(Ô)çÛÒ			
	(ÛÉBçÛÒ			
	&k ö%# "CdÛÉBçÛÒ			#.Û(Ô-| 739-8530 ¾Éâw6-£MN% 3\$ 1 • TEL>8(082)424-7008>*7009
	_ &ÉÛÉBçÛÒ			
	«Ðî°-ÀËì©ÛáÉBçÛÒ >&Â#ÝìÛ(5>'			
	«Ðî°-ÀËì©ÛáÉBçÛÒ >&7Á¼©«_òDš(5>'			
	5 Ê"@2A&ÉÛÉBçÛÒ			
#.dÛ%œÉBçÛÒ >&# C+!b&ÉÛ(5>'	)rœ&ÉÛ(Ô-| 739-8521 ¾Éâw6-£MN% 7\$ 1 • TEL>8(082)424-6316		
#.dÛ%œÉBçÛÒ >&ä\$&ÉÛ(5>'		7• ŠÛ(Ô-| 739-8529 ¾Éâw6-£MN% 5\$ 1 • TEL>8(082)424-4680		

>& @ ->'

íMmZbÉBçÛÒ[2021 ° 4 v°ÛbÛ#ÔÀ7ÿ†/œ8rM

í¿8ª...œ* 8°S_2N¿fM•M(%Ê2Æ¼_X8Z%&1†KZ>8ZCTI8

>4#.d(Ô&ÉÛ%Ê2&ÉbM(b_ œ*èWb WEB §-°[H&1 CTI8

URL <https://www.hiroshima-u.ac.jp/adse/research>



8ª ðë	°Ùòè9,¥ì	0è9,&É%	œA\$î²¥
2021 ° 1 v 4 ¥>&v> >|2021 ° 1 v 8 ¥>&5 >'	2021 ° 1 v 18 ¥>&v>' ? } 2021 ° 2 v 22 ¥>&v>' r[b ð6ë [É ß ç Û Ò6x @ æ M•¥	•3Ùòè9,	2021 ° 3 v 3 ¥>&É>' 12 ÷&£ >'

>& @ -> ½/\$x^°Ùòè9,¥ì_X8Z<° 8ªÉßçÛÒèÉßçÛÒè6x?}¶9_30%±KrM

è 8ª2(A >&>|8 ìîª>†H&1 CTI8

ë 8ªi8® ìE¤%2 9 ìîª> _0°3UI€Z8•ÉßçÛÒè 8ªi8®lg4E¤%2 >&ö
•%5>*0Ùòè=¼>†H&1 CTI8

- (1) 8ª ð6ë/Æ_-â±îçµ°_|~ 8ª†wEÜErM
ì 8ªm)F>&2 3 ìîª>_0°3UI€Z8•m8p†H&1 CTI8
- (2) 8ª ð6ë/Æ_ÉßçÛÒèæ b 8ªi8®†S(è À7ÿÉßçÛÒèlgÀ7ÿÇ(>&5 ìîª>
b 8ªi8®f › îâgjo43æKZCTI8
âgM• œç>* S 8 ì 30 (?) < 5 ìr[wEÜErM
43æM• œç>*î\$4'[1 v 8 ¥>&5 >' < 5 ì%T\K>*G€è7F_?%TKS œç 1 v 6
¥>&É>' r[b~3@6•vb_7H~w#.KrM

œA*..._c œA30%±i lg °ÛLÆ †3æÜKrM
rS>*4#.d(Ô&ÉÛ%É2&ÉîÒîª>&https://www.hiroshima -u.ac.jp/adse>'_vV3UKrM ST
K>_ fjbM#\KZ/œ:vb[6->*¶'bœA\$î²cœA30%±ib43æ\^~rM
^>>*•ÛV&gÈ_|V&gç/œ8rO‡ rS>*7Á00¼_|•eœO_cÂLrO‡

b)•b8N€?_0ñ\M•*...jc°Ú¥r[_0ñ\M•0b3,sb*...

(1) Ý^bÛ)†wM•*...jcS6Û*ËÛ)†wM•*...

(2) ¥\>8Z>*Ý^bÛ)jcS6Û*ËÛ)_%&\M•Û)†5ZI€S*...

(3) ¥\bÛ/@œ:3û™M*ñ_>E•5 &É% †C @\>8ZšÿK>*Ý^bÛ)jc S6Û*ËÛ)_ %&\M•Û)†5ZI€S*...

(4) C @_>8Z>*¥\b±Û7Tb1"ð†wM•vb\KZ0ñ¥\bÛ/M*ñDØ_>8Z)*(ÛE }€SM*ñ_0¿[6WZ>*e4Š&ËÛ±±§ @9_æ M•vbb\0ñ1"ð†ÿçK>*Ý^bÛ)jcS6Û *ËÛ)_%&\M•Û)†5ZI€S*...

(5) V74 œ±Û 4Š_6öM•V74 œ\¥\b6ëb b <_ :!9P*(2&Ûô51 °2Šˆ 72>ˆ" 1Zˆ 28o_0d M• 1972 ° 12 v11¥bV74 œ)r bô1ÿ_öYA0¿gI€S\74 œ±Û >&èW V74 œ±Û \8: >b1"ð†ÿçK>*Ý^bÛ)_%&\M•Û)†5ZI€S*...

(6) ¥\bÛ/>* (4) b æ †wESM*ñ_0¿jcV74 œ±ÛbM*ñ1"ð†šÿK>*±Û7T0¿*(ö=" 16 ²b2 _0d M•0è9,IgB _%&\M•vb_œAK>*Ý^bÛ)†wM•*... \¼èVbÛŠ @6 •\1 u}€S*...

(7) e4Š&ËÛ±±§bæ KS*...&¹B-9 v1 ¥ e4Š%,l&gˆ118>ˆ' q ±Û† KS>*±Û>*%Ê2d¼_>8Z>*2 °èV%Ê2_!KSvb[>*%Ê2&Ë_>8Z>* 0ñ%Ê2bBÝ¼_|~>*Ý^bÛ)jcS6Û*ËÛ)†wM•*... \¼èVbÛŠ @6•\1 uS*... r ¥\>8ZÛ/M*ñ_>E•16 °b1"ð†ÿçKS>†jc¥\bÛ/@œ:3û™M*ñ_>E• 5 &É% †C @\>8ZšÿM•G_|~0ñ¥\bÛ/M*ñ_>E•16 ° b1"ð†ÿçKS >*±Û>*%Ê2d¼_>8Z>* 2 °èV%Ê2_!KS*...[>*•Û±Û7T_>8Z>*0ñ%Ê2bBÝ ¼_|~>*Ý^bÛ)jcS6Û*ËÛ)†wM•*... \¼èVbÛŠ @6•\1 uS*...

(8) •Û±Û7T_>8Z>*¶9b°Û2(AB _|~>*Ý^bÛ)jcS6Û*ËÛ)†wM•*... \¼èV bÛŠ @6•\1 uS*...[>*•Ûi_>8Z4 S_4)KS*... >&@>' (1)? (6) b 8²(Abvˆ0b3,s_X8Zœˆ 2021 ° 3 v31 ¥r[_ÿçb2(A†vˆM•0b3,s b*...†P1ß\KZ8rM >&@>' 8²(A (7)jc (8)_|~ 8²K|:\M•*...œˆ 8²(Ab!SB >& >0>, 8²(AbB Ig 1 g!>†œ8rM !SB b) Ý_|~ 8²KZCTI8

(1) !SB 8²(A (7) jc (8)_|~ 8²K|:\M•*...œˆ 6)?Lu•%Ê2&Ë_>8Z 8²(AbB †œ 8rMb[>0ñ\M•;8²...c _|~m)FA†œWZCTI8 ") wÛ†6ë 2020 ° 12 v7¥>&v>?)2020 ° 12 v11¥>&5>17 ìr[>& 4'3æb œc\$ \K>*RÄ/8 _ 8²(A!SB #æ13i~p \iKZCTI8 >' -) f i80 d b#Ý(i>&a >*b>*e>*f>*g>*h lg i >' œˆ>4#.d(Ô&ËÛ%Ê2&ËíÒìª?)²~åß î»KZCTI8

i80¼bj&a		+0[
a	8²(A!SB #æ13i	d b#Ý(i†Q#ÝKZCTI8
b	8²(A!SB 1*i	d b#Ý(i†Q#ÝKZCTI8
c	q) Û/bÛ B)¼0ÉÂi	3 ±Û6x (Û4Š6x) jc 3 Û/6x @8BKsvb
d	q) Û/b 0ÉÂi	3 ±Û6x (Û4Š6x)jc 3 Û/6x @8BKsvb
e	%Ê2BÝ ìi	d b#Ý(i†Q#ÝKZCTI8
f	%Ê2BÝ ìi_6öM•1	d b#Ý(i†Q#ÝKZCTI8

	Â2(q									
g	¿f#.#âi	d b#Ý(î†Q#ÝKZCTI8								
h	%Ê20£#i	d b#Ý(î†Q#ÝKZCTI8								
i	q) ÛTb! ›	<p>¥\b±Û† KS*...bs d b#Ý(î†Q#ÝKZCTI8 ^>>* p\ >&Ž 4>*96 >*Đ•œ†7VC>' b±Û† >&b3, s>' b%œ>*èWbî8†v“K>*GOZf KZCTI8</p> <table border="1"> <tr> <td>...</td> <td>Ob3*...</td> </tr> <tr> <td>€--è, #m[ME ç•• (î œ±*</td> <td>€--è,xQ Nf[20E *</td> </tr> <tr> <td>€;¼ [M</td> <td>€;¼ hk [M</td> </tr> <tr> <td>€;ž± Hž¥,' [M</td> <td></td> </tr> </table> <p>d p\M*ñ4Š1 0É©« , Ò>& p9x¼M*ñÛ#m[M7]É>' ~>* 2020 ° 12 v 25 ¥&5 >'ill[Web 10É @w [6 • vb†v“KZCTI8 http://www.chsi.com.cn/xlcx/bgys.jsp</p>	...	Ob3*...	€--è, #m[ME ç•• (î œ±*	€--è,xQ Nf[20E *	€;¼ [M	€;¼ hk [M	€;ž± Hž¥,' [M	
...	Ob3*...									
€--è, #m[ME ç•• (î œ±*	€--è,xQ Nf[20E *									
€;¼ [M	€;¼ hk [M									
€;ž± Hž¥,' [M										
j	3É™#ÝRÄ	6×g3•bRÄ_ 374 Ç(b)m†2 ~>*Ç+dí¶j†i8 ZCTI8								

>&@->'

f î8®b:U>¥\1>&¥•1 jce1 è¥'_|•vb_œ>*¥•1 jce10Ä†ÜKZCT
I8

(2) 1 B b) Ýœ>* 2020 ° 12 v28¥& v >'r[_•Ç6Z_3ü%±KrM

(3) 1 †wES*...œ>* á 8ªî8®4E±%2>&9 ìî³' b¿fM•ÉBçÛÒb0ñ\îª†g
!K>* 8ª†6è/Æ_ 8ªî8®>& 8ª2(AB [f KSî8®†7VC >'†f KZCTI8

8ªi8@lg4Eª%o2c>*ÉßçÛÒ_|~\$^~rMb|>*H@-CT18
 0òýc>* bîîª[H&1 CT18

ÉßçÛÒ	(0ñ\îª
XÛÉßçÛÒ	#Û(ÔÉßçÛÒ	10 îª>| 2 îª
"@#.ÛÉßçÛÒ		
..#±hí©«_òÛÉßçÛÒ		
ö&OìÛÉßçÛÒ		
Ã#ÝìÛÉßçÛÒ	dÛ(ÔÉßçÛÒí_&ÉÛÉßçÛÒ	13 îª>| 6 îª
ìÛdÛÉßçÛÒ		
7Á¼©«_òDšÉßçÛÒ		
µ"dÛÉßçÛÒ		
3zæí#°C©«_òÉßçÛÒ		
(ÛÉßçÛÒ		
&k ö%#°CdÛÉßçÛÒ		
_&ÉÛÉßçÛÒ		
«Ðî°-ÀËì©ÛáÉßçÛÒ >&Ã#ÝìÛ(5>		
«Ðî°-ÀËì©ÛáÉßçÛÒ >&7Á¼©«_òDš(5>		
5 Ê°2A&ÉÛÉßçÛÒ	17 îª>|18	îª
#.dÛ%æÉßçÛÒ		



XÛÉßøÛÒ[ç*èWb|:^¿x-†vU>*Q€_æ[^ö&OÛŠ†âXÛ#Õb°Û†Óu•
q XÛ\$%?#_PM•I8H2_6i€>*\$x-1'\' ö†âU>*XÛbS6Û\$%Ê2xÛ7•\$%Ê2
†Ûî»M•-†wM•Ç
r XÛ(5_6ö4 M•%Ê2*...>*M*ñ*...>*9xØS6Û•†*...^†*S6Ûö†wM•Ê _>8Zæ_\$xzm
†,:G\†% æMÇ
s œÈ8M8ö\1_>*XÛ_6ö4 M•Ûe8•æ _>E•œÈ8Û1'9xØ^%Ê2+ Š†3_ÛE>*0...
\$X0||?) â)F+ ^\$†Ž†_C&ÉÛ bS(x...ælgv7&k b1"8ÿ0Žôlb!Ö-†wM•Ç
t &k Ç\KZb,1'‰Ê2*... \KZbÔ#0{†3_ÛESÇ

"@#.ÛÉßøÛÒ[ç*èWb|:~¿x-†vU>*Q€_æ[^ö&OÛŠ†âXÛ#Õb°Û†Óu•
q "@#.Ûb(5 [v7•\$x^°µÉpÉYb05_gWSq'f[bq3 †% æMÇ
r '†f\$@#.Ûbö&O%±1†v\>*#@#.Û6ö4 (5 b%Ê2*...íM*ñ*...í9xØS6Û•†*...^†*S6Ûö
†wM•Ê _>8Zæ_\$x^zmt†,:G\†% æMÇ
s œÈ8M8ö\1_>*#@#.Û_6ö4 M•Ûe8•æ _>E•œÈ8Û1'9xØ^%Ê2+ Š†3_ÛE>*"
0..\$X0||?) â)F+ ^\$†Ž†_C&ÉÛ bS(x...ælgv7&k b1"8ÿ0Žôlb!Ö-†wM•Ç
t &k Ç\KZb,1'‰Ê2*...í9xØS6Û•†*... \KZbÔ#0{†3_ÛESÇ

...#hí©«_òÛ ÉßøÛÒ[ç*èWb|:^¿x-†vU>*Q€_æ[^ö&OÛŠ†âXÛ#Õb°Û†Óu•
°Û†Óu•
q ..#hí&ÉÛ_6öM•9xØ^S6Û%±1'‰Ê2m2†ÿ"K>*4\$X[2zKS%Ê2†Ûî»M•-'
†wM•Ç
r ..#hí&ÉÛ_6ö4 M•%Ê2*...>*M*ñ*...>*9xØS6Û•†*...^†*9xØ^S6Ûö†wM•Ê _>8Z
æ_\$x^zmt†,:G\†% æMÇ
s ..#hí&ÉÛ_•<Z>\$ (5_PKZvI8òÈ°†âU>*œÈ8M8ö\1_>*0..\$X0||?) â
)F+ ^\$†Ž†_C&ÉÛ bS(x...ælgv7&k b1"8ÿ0Žôlb!Ö-†wM•Ç
t &k Ç\KZb,1'‰Ê2*...í9xØS6Û•†*... \KZbÔ#0{†3_ÛESÇ

ö&OìÛÉßøÛÒ[ç*èWb|:^¿x-†vU>*Q€_æ[^ö&OÛŠ†âXÛ#Õb°Û†Óu
•
q 4\$X[2zKSÛ†%Ê2xÛ7•\$%Ê2†Ûî»M•-†wM•Ç
r ö&OìÛ_6ö4 M•%Ê2*...x9xØS6Û•†*...^†*S6Ûö†wM•Ê _>8Zæ_\$x^zmt†,:
G\†% æMÇ
s œÈ8M8ö\1_>*ö&OìÛ_6ö4 M•Ûe8•æ _>E•œÈ8Û1'9xØ^%Ê2+ Š†3_ÛE>*
"0..\$X0||?) â)F+ ^\$†Ž†_C&ÉÛ bS(x...ælgv7&k b1"8ÿ0Žôlb!Ö-†wM•
Ç
t &k Ç\KZb,1'‰Ê2*...í9xØS6Û•†*... \KZbÔ#0{†3_ÛESÇ

-ã±î¿µ° 8ª†KS>* bî8†MÓKZ>* 8ª†6ëÆ_ 5 ìªb 8ªî8f › lf
 KZCTI8 d b#Ý(i >8>' >4#.(Ô&ÉÛ%Ê2&ÉíÒìª?)²~ãßî»KZCTI8

No	i8®¼j	-0]						
1	Û4ŠbÛ B)¼0ÉÂi	3 ±Û6>&Û4Š6>' @8BKSVb						
2	±Û7TbÛ B)¼0ÉÂi	3 ±Û6>&%Ê2&É6>' @8BKSVb						
3	ÿϕ&0b3,>' 0ÉÂi	3 ±Û6>&%Ê2&É6>' @8BKSVb •Û±Û7T# Û%Ê2&É\$^1"&îS††ÿϕ>&0b3,>'b*...>*f M• ²0[c6~rO† ^>>*p>& Ž 4*96 >*Đ•œ†7VC >' b±Û† >& 0b3,s' b %00>*èWbî8†v"K>*GOZf KZCTI8						
		<table border="1"> <thead> <tr> <th>...</th> <th>0b3*...</th> </tr> </thead> <tbody> <tr> <td>€ - - è , #m[ME ϕ - - (î CE ±#</td> <td>€ - - è , xQ Njs 2CE *</td> </tr> <tr> <td>€;¼ [M</td> <td>€;¼ hk [M</td> </tr> <tr> <td>€,ž# H-z¥,' [M</td> <td></td> </tr> </tbody> </table>	...	0b3*...	€ - - è , #m[ME ϕ - - (î CE ±#	€ - - è , xQ Njs 2CE *	€;¼ [M	€;¼ hk [M
...	0b3*...							
€ - - è , #m[ME ϕ - - (î CE ±#	€ - - è , xQ Njs 2CE *							
€;¼ [M	€;¼ hk [M							
€,ž# H-z¥,' [M								
		d p\M*ñ4Š1 0É@« , Ò >&p\9x¼ M*ñÛ#m[M7 É>' _ ~>* 2021 ° 1 v 22 ¥&5 >ill[Web 10É @w [6•vb†v"KZC T18 http://www.chsi.com.cn/xlcx/bgys.jsp						
4	ÿ^1=e j c ÿ^1=e b +0]	ÿ^bÛ)¼†wM*...>*ÿ^1=e&xK[v>*ÿ^1"&îÿϕ0b 3,sb*...>*ÿ^1=e b+0] >d b#Ý(i 2 Û&îØ†Q#ÿKZCTI 8'†† KZCTI8						
5	3É™#Ý gRÄ	°RÄ>&6xg 3 >' 4')\$ •í+dí¶ †0°K> 94 Ç(b) m†2 WZCTI8>&w9&S3æÛ#Ý>						

>&@1>
 f î8®b:U>¥1>&¥•1 jçe1 è¥>'_|•vb_>*¥•1 jçe1 0Ä†ÜKZCTI8
 >& @2>
 8ª2(AîSB †wES*...>*1 >*2 lg 3 †† M•²0[c6~rO†

(1) ö•%5*
 ÛŠè >&•3Û0è9>&ÿ^1=e\$î² †µt >>' lgÛ B)¼0ÉÂi†)rœKZ4E*f KrM

ÑXÛÉßϕÛÒ

\$^1"&îS†•7u[bS6Û\$%±1'lg1 ÛŠ†ÿ"KZ8•G\†&1 K>•ÉßϕÛÒb•Ûÿ
 xÛÒîÛ@î_4:Â+ + Š†0b•Su_>*3Û0è9,†1"K>•3Û0è9,\ÿ^1=e bÆ >*Û
 B)¼0ÉÂi†œfO>*)rœ\$%_0ÛoKrM •3Û0è9,>*S6Û&É%_6öM•ö&O%±1'lg#.0ŽŠí
 *f9Ší#Š†0brM

Ñ"@#.ÛÉßϕÛÒ

\$^1"&îS†•7u[bS6Û\$%±1'lg1 ÛŠ†ÿ"KZ8•G\†&1 K>•ÉßϕÛÒb•Ûÿ
 xÛÒîÛ@î_4:Â+ + Š†8•M•Su_>ÛŠè>&•3Û0è9, >&ÿ^1=e\$î² †µt >>'
 †œ8rM rS>*\$^††&î_1M•2(2A†Û B)¼0ÉÂi_öY8Z8•KrM

Ñ..#hí©«_òÛÉßϕÛÒ

\$^1"&îS†•7u[bS6Û\$%±1'lg1 ÛŠ†ÿ"KZ8•G>*rS•ÉßϕÛÒb•ÛÿxÛ
 ÒîÛ@î_4:Â+ + Š†wKZ8•?†&1 M•Su_>* 3Û0è9,&ÿ^1=e\$î² †µt'
 †œ: •3Û0è9>&ÿ^1=e\$î² †µt'b) Ýc•7u (0Ûot /œ8>*Û B)¼0ÉÂib0Ûo
 †•ák)rœKZ4E*f KrM

Ñö&OîÛÉßçÛÒ

\$^1"&iS‡•7u[bS6Û\$%±1'Ig1 ÛŠ†ÿ"KZ8•G\†&1 K>•ÉßçÛÒb•Ûÿ
xÛÒíÛ©î_4:Â•+ ^+ Š†0b•Su_>*ÛŠ0è9,†1"K>*)rœ!!_|~ÛoKrM ÛŠ
0è9,>&•3Û0è9,>&ÿ^1=e\$î² †µt >' IgÛ B)¼0ÉÂi†)rœ\$x_4E*fKrM

(2) 0Ûoö =

•3Û0è9,Igî8@B <*D•7u0Ûo>& A>*B>*C>*D>' †/œ8rM

(3) •3Û0è9, †î

ß °Û0è9,b+0†&6 ìî^>'b >/,°Û0è9,†&i _0°3UI€Z8•†6è_>ÉßçÛÒ[
<KrM ^>>* †îIlg d¼0òý<*VñÉßçÛÒ?}93ö•Ç_3Û0è9±KrM



Â#ÝìÛÉßçÛÒ[ç*èWb|:^¿x-'†vU>*Q€_¸[^ö&OÛŠ†âXÛ#Õb°Û†Ó

u•

q ›4\$×[2zKSÛ/í%Ê2xÛ7•\$×%Ê2†Ûî» M•-'†wM•Ç
r Â#ÝìÛ_6ö4 M•%Ê2*...x9xØS6Û•/í*...^}•S6Ûö†wM••Ë _>8Zæ_\$\$^zmt,
:G\†% æMÇ
s œÈ8M8ô\1_>*Â#ÝìÛ_6ö4 M•Ûe8•æ _>E•œÈ8Û1'9xØ^%Ê2+ Š†3_ÛE>*
"0...\$x0!!!?) à)F•+ ^\$ÍŽ†_C&ÉÛ bS(x...ælg\7•&k b1"8ÿ0Žô!b!Õ-†wM
•Ç
t &k Ç\KZb,1'‰%Ê2*...i9xØS6Û•/í*...KZbÔ#0{†3_ÛESÇ

ìÛdÛÉßçÛÒ[ç*èWb|:^¿x-'†vU>*Q€_¸[^ö&OÛŠ†âXÛ#Õb°Û†Ó

u•

q ›4\$×[2zKSÛ/í%Ê2xÛ7•\$×%Ê2†Ûî» M•-'†wM•Ç
r ìÛdÛ_6ö4 M•%Ê2*...x9xØS6Û•/í*...^}•S6Ûö†wM••Ë _>8Zæ_\$\$^zmt,
:G\†% æMÇ
s œÈ8M8ô\1_>*ìÛdÛ_6ö4 M•Ûe8•æ _>E•œÈ8Û1'9xØ^%Ê2+ Š†3_ÛE>*
"0...\$x0!!!?) à)F•+ ^\$ÍŽ†_C&ÉÛ bS(x...ælg\7•&k b1"8ÿ0Žô!b!Õ-†wM
•Ç
t &k Ç\KZb,1'‰%Ê2*...i9xØS6Û•/í*...KZbÔ#0{†3_ÛESÇ

7Á¼©« , ÒDšÉßçÛÒ[c >*èWb|:^¿x-'†vU>*Q€_¸[^ö&OÛŠ†âXÛ#Õb°Û†Óu•

q ›4\$×[2zKSÛ/í%Ê2xÛ7•\$×%Ê2†Ûî» M•-'†wM•Ç
r 7Á¼©« , ÒDš(5b>\^7Á¼dÛi©« , ÒdÛ_6ö4 M•%Ê2*...x9xØS6Û•/í*...^}•
S6Ûö†wM••Ë _>8Zæ_\$\$^zmt, :G\†% æMÇ
s œÈ8M8ô\1_>*7Á¼©« , ÒDš_6ö4 M•Ûe8•æ _>E•œÈ8Û1'9xØ^%Ê2+ Š†
3_ÛE>*"0...\$x0!!!?) à)F•+ ^\$ÍŽ†_C&ÉÛ bS(x...ælg\7•&k b1"8ÿ0Žô!b!
!Õ-†wM•Ç
t &k Ç\KZb,1'‰%Ê2*...i9xØS6Û•/í*...KZbÔ#0{†3_ÛESÇ

µ"dÛÉßçÛÒ[ç*èWb|:~¿x-'†vU>*Q€_¸[^ö&OÛŠ†âXÛ#Õb°Û†Ó

u•

q ›4\$×[2zKSÛ/í%Ê2xÛ7•\$×%Ê2†Ûî» M•-'†wM•Ç
r µ"dÛ_6ö4 M•%Ê2*...x9xØS6Û•/í*...^}•S6Ûö†wM••Ë _>8Zæ_\$\$^zmt,
:G\†% æMÇ
s œÈ8M8ô\1_>*µ"dÛ_6ö4 M•Ûe8•æ _>E•œÈ8Û1'9xØ^%Ê2+ Š†3_ÛE>*
"0...\$x0!!!?) à)F•+ ^\$ÍŽ†_C&ÉÛ bS(x...ælg\7•&k b1"8ÿ0Žô!b!Õ-†wM
•Ç

t &k Ç\KZb,1'‰É2*...î9xØS6Û•†*... \KZbÔ#0{†3 _ÜESÇ

3z3æ#’C©« , ÒÉßçÛÒ[ç>èWb|: ^¿x-’†vU>*Q€_ç[^ö&OÛŠ†âXÛ#Ô
b°Û†Óu•

q ›4\$×[2zKSÛ†‰É2xÛ7•\$×‰É2†Ûî»M•-’†wM•Ç
r 3z3æ©« , ÒdÛ>#’C©« , ÒdÛb›(5_664 M•‰É2*...x9xØS6Û•†*... ^†*S6Ûö†
wM•É _>8Zæ_ \$x^zmt†, :G\†% æMÇ
s œÈ8M8ô\1’_>3z3æ©« , ÒdÛ>#’C©« , ÒdÛ_664 M•Ûe8•æ _>E•œÈ8Û1’
’9xØ‰É2+ Š†3 _ÜE>*’0...\$x0!!!?) à)F•+ ^\$†Ž†_C&ÉÛ bS(x...ælgv7•
&k b1"8ÿ0Žôlb!Ö-†wM•Ç
t &k Ç\KZb,1'‰É2*...î9xØS6Û•†*... \KZbÔ#0{†3 _ÜESÇ

(ÛÉßçÛÒ[ç>èWb|: ^¿x-’†vU>*Q€_ç[^ö&OÛŠ†âXÛ#Ôb°Û†Óu

•
q ›4\$×[2zKSÛ†‰É2xÛ7•\$×‰É2†Ûî»M•-’†wM•Ç
r (Û_664 M•‰É2*...x9xØS6Û•†*... ^†*S6Ûö†wM•É _>8Zæ_ \$x^zmt†, :
G\†% æMÇ
s œÈ8M8ô\1’_>* (Û_664 M•Ûe8•æ _>E•œÈ8Û1’’9xØ‰É2+ Š†3 _ÜE>*
’0...\$x0!!!?) à)F•+ ^\$†Ž†_C&ÉÛ bS(x...ælgv7•&k b1"8ÿ0Žôlb!Ö-†wM
•Ç
t &k Ç\KZb,1'‰É2*...î9xØS6Û•†*... \KZbÔ#0{†3 _ÜESÇ

&k ö%#’CdÛÉßçÛÒ[ç>èWb|: ^¿x-’†vU>*Q€_ç[^ö&OÛŠ†âXÛ#Ôb°
Û†Óu•

q ›4\$×[2zKSÛ†‰É2xÛ7•\$×‰É2†Ûî»M•-’†wM•Ç
r &k ö%#’CdÛb>\^•S4 dÛ>*uœ#’CÛ>*75!OdÛb›(5_>8Z9xØS6Û•†*...x
‰É2*... \KZæ_ \$x^zmt†, :G\†% æMÇ
s œÈ8M8ô\1’_> &k ö%#’CdÛ_664 M•Ûe8•æ _>E•œÈ8Û1’’9xØ‰É2+ Š†
3 _ÜE>*’0...\$x0!!!?) à)F•+ ^\$†Ž†_C&ÉÛ bS(x...ælgv7•&k b1"8ÿ0Žôlb
!Ö-†wM•Ç
t &k Ç\KZb,1'‰É2*...î9xØS6Û•†*... \KZbÔ#0{†3 _ÜESÇ

_ &ÉÛÉßçÛÒ[ç>èWb|: ^¿x-’†vU>*Q€_ç[^ö&OÛŠ†âXÛ#Ôb°Û†Óu

•
q ›4\$×[2zKSÛ†‰É2xÛ7•\$×‰É2†Ûî»M•-’†wM•Ç
r _ &ÉÛ_664 M•‰É2*...x9xØS6Û•†*... ^†*S6Ûö†wM•É _>8Zæ_ \$x^zmt†,
:G\†% æMÇ
s œÈ8M8ô\1’_>_ &ÉÛ_664 M•Ûe8•æ _>E•œÈ8Û1’’9xØ‰É2+ Š†3 _ÜE>*
’0...\$x0!!!?) à)F•+ ^\$†Ž†_C&ÉÛ bS(x...ælgv7•&k b1"8ÿ0Žôlb!Ö-†wM
•Ç
t &k Ç\KZb,1'‰É2*...î9xØS6Û•†*... \KZbÔ#0{†3 _ÜESÇ

« Ðî°-ÀËî©ÛáÉßçÛÒ[ç>èWb|: ^¿x-’†vU>*Q€_ç[^ö&OÛŠ†âXÛ#Ôb°Û†Óu•

q ›4\$×[2zKSÛ†‰É2xÛ7•\$×‰É2†Ûî»M•-’†wM•Ç
r « Ðî°!q6â\$† » Ðî°œ íDš_664 M•(5>*6•8cQ€)b%œ(5_664 M•‰É

2*...x9xØS6Û•j*...^}•S6ÛötWM•É _>8Zæ_\$x^zm†,:G\†% æMÇ
s œÈ8M8ô\1_>* «Đí°!q6ä\$ſ>* «Đí°0£ íDš_6õ4 M•(5>*6•8cQ€)b%
œ(5_>E•œÈ8Û1'9xØ^%É2+ Š†3_ÜE>*0..\$x0!!?) à)F+ ^\$ſŽ†_C&É
Û bS(x...ælgv7&k b1"8Y0ŽôlbÛ-†WM•Ç
t &k Ç\KZb,1'‰É2...i9xØS6Û•j*... \KZbÛ#0†3_ÜESÇ

-â±î¿µ° 8†KS>* bî8†MÓKZ 8†t6ëÆ_ 5 î†ab 8†î8†f › lf
KZCT18 d b#Y(†& 4>*6 lg 7>' >*#4.d(Ô&ÉÛ%É2&ÉíÔì†a?)2~âßî»KZCT
18

No	i8†¼ j	-Q†						
1	Û4ŠbÛ B)¼0ÉÂi	3 ±Û6x>&Û4Š6x>' @8BKSVb						
2	±Û7TbÛ B)¼0ÉÂi	3 ±Û6x>&%É2&É6x>' @8BKSVb						
3	ÿç>&0b3,>' 0ÉÂi	ÿ^bÛ)†v“KSG\@f?•vb}† 3 ±Û6x>& %É2&É6x>' @8BKSVb 8†2(A (2)> (6)_0ñ\M•¿8†...>*Q€†0ÉÂM•î8††f KZ CT18						
4	°Û† fM•%É21"8Y>* S•	d b#Y(†Q#YKZCT18						
5	ÿ^1=e	ÿ^1"&îÿç*...bsf KZCT18						
6	ÿ^1=eb+Q†	d b#Y(†Q#YKZCT18 ÿ^1=eb+Q†jç%É2)4#† 400 Đ&ìØ [0°3UK ZCT18						
7	q) ÛTb† ›	¥\b±Û† KS*...bs d b#Y(†Q#YKZCT18 ^>>*p>& Ž 4>*96 >*Đ•œ†7VC >' b±Û†ÿç>& 0b3,s >' b %00>*èWbî8††v“K>*GOZf KZCT18 <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%; text-align:center;">*... € ¯ ¯ è , #m[“ ME ç - • (î CE ‡</th> <th style="width:50%; text-align:center;">0b3*... € ¯ ¯ è ,xQ Njſ†2CE *</th> </tr> </thead> <tbody> <tr> <td>€¼ [M</td> <td>€¼ hk [M</td> </tr> <tr> <td>€ ,ž¤ Hž¥, ' [M</td> <td></td> </tr> </tbody> </table> d p\M†ñ4Š1 0É©« , Ò >&p9x¼ M†ñÛ#m[“M7†É> _ →* 2021 ° 1 v 22 ¥&5 >' !! [Web 10É @w [6•vb†v“KZC T18 http://www.chsi.com.cn/xlcx/bgys.jsp	*... € ¯ ¯ è , #m[“ ME ç - • (î CE ‡	0b3*... € ¯ ¯ è ,xQ Njſ†2CE *	€¼ [M	€¼ hk [M	€ ,ž¤ Hž¥, ' [M	
... € ¯ ¯ è , #m[“ ME ç - • (î CE ‡	0b3... € ¯ ¯ è ,xQ Njſ†2CE *							
€¼ [M	€¼ hk [M							
€ ,ž¤ Hž¥, ' [M								
8	~\$•î>b×K	¥•~+b¥(b¿8†...bs /8_+d@0°3UI€Z8• œ>*g8 †¥ÆiKZCT18						
9	3É™#Y gRÄ	°RÄ>&6xg 3 >' 4)§•í+dí††j†0°K>* 94 Ç(b) m†2 WZCT18>&w9&S3æÛ#Y>'						

>& @1>'

f î8†b:U>*¥1>&¥•1 jçe1 è¥>'_|•vb_>*¥•1 jçe10Ä†ÛKZCT18

>& @2>'

8†2(A:SB †wES*...>*1 >|3 lg 7 †† M•?Q[c6~rO†

>& @3>'

•ÛdÛ4Š† K>*•Û±Û7TdÛ%É2&É\$^1"&îS††ÿç>&0b3,>'b*...>*1 >*2lg3 †† M•
?Q[c6~rO† •ÛdÛ4Šè¥† K>*•Û±Û7TdÛ%É2&É\$^1"&îS††ÿç>&0b3,>'b*...>*1
2lg 3cf M•?Q[c6~rO†@>*1 c 3 ±Û>&Û4Š>bÛ B)¼0ÉÂi††f KZCT18

(1) ö•%5*
•3Û0è9,>&,e1 >*S6Û&É% >*ÿ^Û)1=eIlg%Ê2Ý_6öM•0èe>Igi8®B b) Ý†)rœK
Z4E*fKrM

(2) 0Ûoö=
•3Û0è9,Igi8®B >*D•7u0Ûo>& A>*B>*C>*D>' †/œ8rM

(3) •3Û0è9, <¥i
ß °Û0è9,b+0†&6 Ìîa' b>/ >,°Û0è9,¥&i_0°3UI∈Z8•†6ë_>ÉßçÛÒ[
<KrM ^>>* <¥iIlg d'‰0òý<*&ñÉßçÛÒ?}93ö•Ç_3û%±KrM



5 Ê" @2A&ÉÛÉßçÛÒ[>*èWb|: ^¿x-'†vU>*Q€_ ʒ[^ö&OÛŠ†âXÛ#Õb°Û
†Óu•
q " @2Aö&O&ÉÛ>* " @ö" @# . Û>* " @ö dÛ>*7ÁÊ dÛb%±0b†wK>*9xØ^%Ê2+ Š\ S6Û*††Û†
[\$^†v" K> *%Ê2*...x*†...^†9xØ^S6Ûö††M•Ê _'†M•G\†% æMÇ
r °ÛSb) T_\} f ∈ N>* " @# . ÛVb, K8\$†0bxdÛÂ#Ÿ>*7Ÿ' © « , Òì_†SM•-†
wM•Ç
s Ûe\$ x^0!†? } b&ÉÛbHÓxQbÂ#ŸTE[^C>*2s ^], S^Á^¿ « (5 lbv-) s
†% æMÇ
t œÈ8M8ô\1_>* " @2Aö&O&ÉÛ>* " @ö" @# . Û>* " @ö dÛ>*7ÁÊ dÛ_6ô4 M•Ûe8•æ_>E•
œÈ8Û1'9xØ^%Ê2+ Š†3_ ÛE>*0...\$x0!†? } à)F+ ^\$†Ž†_C&ÉÛ bS(x...
ælg†7•&k b1"8Ÿ0Žô†b†Ō-†wM•Ç
u &k Ç\KZb, 1' %Ê2*... †9xØS6Û*†... \KZbÔ#0††3_ ÛESC

-â±†¿µ° 8††KS >* b†8††MÓKZ 8††6ëÆ_ 5 ††âb 8††8†† † If
KZCT18 d b#Ÿ†&4 lg 5†>4#. d(Ô&ÉÛ%Ê2&ÉìÒì†?) 2~âß†»KZCT18

No	†8††¼†	-††
1	Û4ŠbÛ B)¼0ÉÂ†	3 ± Û6x>&Û4Š6x>' @ 8BKSVb
2	±Û7TbÛ B)¼0ÉÂ†	3 ± Û6x>&%Ê2&É6x>' @ 8BKSVb 3 ± Û6x>&%Ê2&É6x>' @ 8BKSVb Ÿ'1"†è†b¿8†...cG€_æf•vb † b œb5@_0É0†3†b6z8†

3 Ÿç>&0b3,>' 0ÉÂ†

8²(AISB †wES*...>*1 >*2 lg 3 †f M•²Q[c6~rO‡

(1) ö•%õ*

ÛŠè >&•³Û0è9>lgÛ B)¼0ÉÂi†)rœKZ4E*fKrM

(2) 0Ûoö =

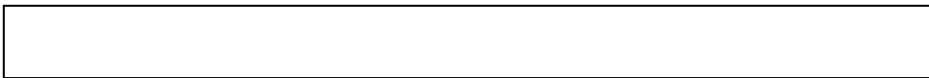
•³Û0è9,lgî8®B >* U •7u0Û o >&A>*B>*C>' †/œ8rM

(3) •³Û0è9, †¥i

ß °Û0è9,b+0‡&6 ìîª>' b >/,°Û0è9,¥&i_0³U|€Z8•‡6ë_ÉßçÛÒ[
(KrM ^>>* †¥ilg d¼0ò(ý>*ÉßçÛÒ?)93õ•Ç_3û%±KrM

(4) •³Û0è9,bÆ

ÿ¹"iÿç>&0b3,>...cÿ¹=e\$î²lgÿ¹=e_6õM•0èe†>ÿ¹"iÿçè¥b*...c%Ê2
BÝ\$î²lg%Ê2BÝ_6õM•0èe†µsrM



#.dŮ%œÉßçŮŮ[ç*èWb|:^¿x-'†vU>*Q€_ç[^ö&OŮŠ†âXŮ#Ůb°Ů
†Ůu•
q †4\$×[2zKSŮ/Ů%É2xŮ7•\$×%É2†Ůî»M•-†wM•ç
r †-†æ¥°††f\ç6ëæ¥°††f†GOâU>*,K8Ůe(5†HÓM•ç
s œÉ8M8ô\1_>#.#.Ů>*dŮ_6ô4 M•Ůe8•æx>*_ &ÉŮ>*v7• ŠŮ^]b%œ8•æ_
>E•œÉ8Ů1'9xŮ0^%É2+ Š†3_ŮE>*0..\$x0!!?} à)F+†^š††_C&ÉŮ b
S(x...ælgv7•&k b1"8Ů0žôlblŮ-†wM•ç
t &k ç\KZb,1'v%É2*...i9xŮŮS6Ů•†*...KZbŮ#0††3_ŮESç

-â±î¿µ°8†KSç* bŮ8†MÓKZ8†6ëÆ_
5 îîab 8†8†f †lf
KZCT18 d b#Ů(†& 1>*4 lg 5>'ç>*4#.d(Ů&ÉŮ%É2&ÉîŮîîa?)2~âßî»KZCT
18

No	Ů8†¼j	-Ů						
1	šTi	d b#Ů(†Q#ŮKZCT18						
2	Ů B)¼ŮÉÂi	3 ±Ů6x>& %É2&É6x' @8BKSvb 2NN•?>*N•ŮÉÂi€ SxK†f KZCT18 N•ŮÉÂb^8xKçŮÉÂi\KZ1 u }€rO†						
3	Ůç>&Ůb3>' ŮÉÂi	3 ±Ů6x>&Ů4S6x<' >%†±Ů6x jc 9x¼S6ŮŮ/6x@8BKSvb 2NN•?>*N•ŮÉÂi€SxK†f KZCT18 N•ŮÉÂb^ 8xKçŮÉÂi\KZ1 u}€rO† Ůç*...b œ>*Ů)_ @Ů3Ůi€Z8•G††&1 KZCT18 ^>>*p†& ž 4>*96 >*Đ•œ†7VC >'b±Ů† >& Ůb3,s>' b %œç>èWbŮ8††v"K>*GOZf KZCT18 <table border="1" data-bbox="603 1294 1391 1429"> <tr> <td data-bbox="603 1294 1002 1328">*... € - - è , #m[ME ç - • (î ÇE †</td> <td data-bbox="1002 1294 1391 1328">Ůb3*... € - - è , xQ Njs†2ŮE *</td> </tr> <tr> <td data-bbox="603 1328 1002 1361">€¼[M</td> <td data-bbox="1002 1328 1391 1361">€¼hk [M</td> </tr> <tr> <td data-bbox="603 1361 1002 1429">€ , ž¤ Hž¥ , [M</td> <td></td> </tr> </table> d p M†nš1ŮÉŮ« , Ů >&p9x¼M†nŮ#m[†M†]É> _ ->* 2021 ° 1 v 22 †&5>' ill Web 1ŮÉ@w [6•vb†v"KZC T18 http://www.chsi.com.cn/xlcx/bgys.jsp	*... € - - è , #m[ME ç - • (î ÇE †	Ůb3*... € - - è , xQ Njs†2ŮE *	€¼[M	€¼hk [M	€ , ž¤ Hž¥ , [M	
... € - - è , #m[ME ç - • (î ÇE †	Ůb3... € - - è , xQ Njs†2ŮE *							
€¼[M	€¼hk [M							
€ , ž¤ Hž¥ , [M								
4	Ů^1=e	Ů^1=e†f KZCT18 ŮçŮb3,sb...[Ů^1=e†f8Bpb œç>d b#Ů(†Q#ŮK>* Ů^1=e+Ů†† 2,000 Đ&iŮ[Ů3UKZCT18 Ů^1=ejcŮ^1=e+Ů†† [A^8 œç>%É2+ Š†ŮÉÂ M•%É21=e¼†f KZCT18						
5	%É2Ů£#i	d b#Ů(†Q#ŮK>* ±Ů7†°Ů<b%É2Ů£#†1,000 Đ&iŮ[Ů3UKZC T18						
6	° ŮŮè9, 8†2(A B œ A3Ů%±i	8†2(A!SB †wES*...bs • Ů±Ů7†°4#.d(Ů&ÉŮ%É2&É6x @\$iœKSvb						
7	3É™#ŮY gRĂ	°RĂ>&6xg 3 >' 4)š •i+d††i††Ů°°K>* 94 ç(b) m†2 WZCT18>w9&š3æŮ#ŮY>						
8	~\$•î»b×K	¥•~+b¥(b;8†...bs †8_+d@Ů3Ůi€Z8• œç>*g8 †¥ÆiKZCT18						

>&@1>'

f i8@b:U>*¥1>&¥1 j,c,e1 è¥>'_|•vb_>*¥1 j,c,e10Â†ÜKZCTI8

>&@2>'

8²(A¡SB †wES*...>² lg 3 †f M•²Q[c6~rO‡

(1) ö•%5*

ÛŠè >&•3Û0è9,>*¥1+ Š>&•3Û0è9,>*B)¼0ÉÁ>*ÿ~¹=e¼lg%É20£#i†)rœ0ÛoK
Z4E*fKrM

(2) 0Ûoö =

ÛŠè >&•3Û0è9,>±Û7T°ÛIb•µ\~>°%É2bö&O%±1¼†•7u0ÛoKrM
¥1+ Š>&•3Û0è9,>4ÄIb8100 !!

(3) •3Û0è9, <¥i

ß °Û0è9,b+0†&6 Ìî²>' b >,>,°Û0è9,¥&i_0³UI€Z8•†6ë_ÉßçÛÒ[
<KrM ^>*<¥i lg d¼0ò(ý>ÉßçÛÒ?)93õ•Ç_3Û0±KrM

(4) •3Û0è9,bÆ

q ÛŠè

0ò(ý_X8Z>*0è9,\¥æ&gKrM

r ¥1+ Š

,e1 j,c¥1 b:U>*%É2_²Q[\I€•¥1>/?¹ †4E¥KZCTI8

¥1b&•3Û0è9,>b*gf2(q\KZ>èWb 1)>|3)b«¥¹0ÉÁ¼†f M•G\@[ArM

^>>¿fM•æ_M(@\0ñgf2(qbf †Óu• œ@6~rM4E¥M•¥1 lgf M

•gf2(q_X8Z>*6)?Lu¿fM•æ_M(¼%&1/KZCTI8

1),e1 [w9,M• œ>*TOEIC® ¶6ä,«>*TOEIC® K/"I9w9,DØ>& IP ,«>*TOEFL® :
PBT>*TOEFL® : iBT>* #Ý,e1 •+ è ¼b,e1+ Šè 0è9,

2) ¥1 [w9,M• œ>*¥1+ Š0è9, 1 (b&N1 >&¥1 †•1 \K^8*...bs<#Ý>'

3) w9,M•¥1 [ó¹KS%É21=e>* ì>*V•Û \$j²_Q#ÝKS2(q¼

(@

í 1)>*2)b«¥¹0ÉÁ¼_X8Z>*N•jc×K†f KZCTI8 ×K†f KS\A>*

0è9,\¥²NN•†âgKZCTI8&-â±î¿µ⁰_|~ ŠI€SvbcY>N•>*

<¥3É7KrM

í 1)>*2)c 2017 ° 4 v 1 ¥è7F_w9,KSvb_7H~rM

í 8ª)-)(<_v"KS 1)>*2)b«¥¹0ÉÁ¼bN•>*•3Û0è9,[f&gM•G\@[ArM

í ,e1 í¥1 è¥b¥1 bè 0è9,†w9,KZ8• œ_>*1 >|3 8N€?b«¥¹0ÉÁ¼

_<Z>*Vñ¥1 bè 0è9,b«¥¹0ÉÁ¼†f M•G\@[ArM

í ,°¥ß¼~–Ý«bsj_\v^8¥1 bè 0è9,@pFI€Z8•G_|~>*

8N€b

«¥¹0ÉÁ¼vf [A^8¿8ª...>* !S_¿fM•æ_M(¼%&1/KZCTI8

!S%&1/bì‡>82020 ° 12 v 11 ¥>&5>'r[

#.dÛ%œÉßçÛÒ[ç*èWb|:^¿x-'†vU>*Q€_ç[^ö&OÛŠ†âXÛ#Ûb°Û
†Óu•

q ¼4\$×[2zKSÛ/‰É2xÛ7•\$×%É2†Ûî»M•-†wM•Ç
r †-†æ¥°†f\Ç6ëæ¥°†f†GOâU>*,K8Ûe(5†HÓM•Ç
s œÉ8M8ô\1_>#_Û>*dÛ_6ô4 M•Ûe8•æx>* _ &ÉÛ>*v• ŠÛ^]b%œ8•æ_
>E•œÉ8Û1'9xØ^‰É2+ Š†3 _ÛE>*0...\$x0!!!?} à)F•+ ^\$†Ž†_C&ÉÛ b
S(x...ælgv7•&k b1"8ÛŽôlblÛ-†wM•Ç
t &k Ç\KZb,1'‰É2*...i9xØS6Û•†*...KZbÔ#0{†3 _ÛESÇ

-â±î¿µ° 8†KSç* bî8†MÓKZ 8††6ëÆ_ 5 î†ab 8†8†f † If
KZCT18 d b#Y(i> & 4>*5†g 6>' ç* 4#.d(O&ÉÛ%É2&ÉíîÒì†?)2~âßî»KZCT
18

No	î8†¼j	-0[
1	Û B)¼0ÉÂi	3 ±Û6>& %É2&É6>'@8BKsvb B)¼0ÉÂi_B)¼0Ûö=b1 Â@^8 œç*9350Ûö=†1 Â KS 3 ±Û\$ œbî8††f KZCT18		
2	Ûç>&0b3>' 0ÉÂi	3 ±Û6>& %É2&É6>'@8BKsvb Ûç*...b œç*Û)_ @°3Uî€Z8•G\†&1 KZCT18 ^>>*p & Ž 4>*96 >*Đ•œ†7VC >' b±Û† >& 0b3,s' b ‰œç*èWbî8††v"K>*GOZf KZCT18 <table border="1" style="width:100%"> <tr> <td style="text-align:center">*... € - - è , #m[† ME ç - • (î ÇE †# €¼ [†M €¼ž† Hçž,† [†M</td> <td style="text-align:center">0b3*... € - - è ,xQ Nj†2ÇE * €¼ hk [†M</td> </tr> </table> <p>d p\M†ñ4Š1 0Éç«_Ò >&p9x¼M†ñÛ#m[†M7 É>' _ ->* 2021 ° 1 v 22 †&5>' ïll[Web 10É@w [6•vb†v"KZC T18 http://www.chsi.com.cn/xlcx/bgys.jsp</p>	*... € - - è , #m[† ME ç - • (î ÇE †# €¼ [†M €¼ž† Hçž,† [†M	0b3*... € - - è ,xQ Nj†2ÇE * €¼ hk [†M
... € - - è , #m[† ME ç - • (î ÇE †# €¼ [†M €¼ž† Hçž,† [†M	0b3... € - - è ,xQ Nj†2ÇE * €¼ hk [†M			
3	Û¹=e	Û¹=ejcQ€_%\M•1=e b×† 1 4Šf KZCT18		
4	Û¹=eb+0[d]' >& Û&iØ>' †Q#YK>* 3 4Š>&x[v>†f KZCT18 Û^bÛ)v"ç*%É2)¼b6*...ç*Û¹=eb+0[_?<Z%É 2)4# î>&d b#Y(i>††f M•G\@[ArM ^>>*Û^bÛ)v"ç*%É2)4# î††f KZCT18		

%É20É#1 d b#Y(i†Q#YKZCT18
d b#Y(i†Q#YKZCT18
#_Ûb±Û7T_~ÛKZ8*...ç*Û±Û7T w9,
±Û7T~Û*... _X8T_†d±ÛOST18
w9,Ž1Yi

		'¼_~*ĚM• *...'	6xbŽ1Yi†f KZCT18
7	¥•;Ó>& e4Š&É Ū%,>' áŪ5 0ÉÂi	½ ¥\Ç\$ Ū#Ō>&¥•\;ÓáŪ5 >'bs	
8	1 Ū+ Š0ÉÂi	TOEFL'¼b,e1 è >*¥•1 è 0è9,QbŪ1 Ū+ Š†0ÉÂ•+ ^¶ \$×i8@>&xcY>'	
9	3É™#Ý gRÄ	°RÄ>&6×g 3 •>' 4')\$ •í+dí¶i†0°K>*' 94 Ç(b) m†2 WZCT18>&w9&Š3æŪ#Ý>'	
10	~\$•î»b×K	¥•~+b¥(b¿8*...bs /i8 _+d@0°3UI€Z8• œc>*g8 †¥ÆiKZCT18	

(1) 8ª%2
 -â±î¿µº 8ªlg 8ªi8@bf _|~ 8ª[ArM
 q -â±î¿µº_|->* _____ M•
 r _____ 30,000
 s _____ M•
 >& @->'
 -â±î¿µº 8ªc*-â±î¿µº[b°Šlg°Ûè qb-v8†œWSTE[c 8ªm)F
 öç_c^~rO‡ 93ö>* 8ªi8@¼ @ d b‡¥r[_?%TM•]:_âgjc43æM•?[@6
 ~rM ^>>*%Ê2&É[ç*âgbs_|•8ªc[ArO‡

(2) 8ª‡6ë
 V0° (1) 8ª%2bq >*r>*s b²Z†‡6ë/Æ_)<•?[@6~rM

2021	1	4	2021	1	8	17	00
------	---	---	------	---	---	----	----

 ^>>*s[43æM• œç*\$4}[1 v 8 ¥>&5 > ‹ 5 î²%T\K>*G€è7F_?%TKS
 œc 1 v 6 ¥>& Ê>' r[b~3@6•vb_7H~w#.KrM

(3) -â±î¿µº 8ª
 ì ©«_Ö_6öM•eœO›

	10:00	18:00	4	7
	0570-06-5124			
UCARO	10:00	18:00	12	30 1 3
	0570-06-5524			

°0è_6öM•YÂ!¼ç* è À7ÿÉßçÛÒlgÀ7ÿÇ†&5 ìî³> beœO› í8ªi8@f
 ›_e8œfOZCTI8
 wÛi6ë 8:30?} 17:00r|>&u¥&f¥†7VC>'
 57Á0ð\$ •_X8Zç*w¥\$ @ L...æ@6~rM@>*èWb...æ_X8Zç*w¥\$?}
 ²-ÖYKZ8STC?[@6~rMb[H@-CTI8
 >&Êåw>*óA4†Óp#ë>*#ã#ë>*!Ã5#èlg#ëb›...æ>'

Step 1:
 "j-«ìîª

<https://www.hiroshima-u.ac.jp/nyushi>

 Step 2: UCARO UCARO
 8ª_c UCARO lb (\$i6>&! "ç' @ ?r[M
 •Û[ç*w9\$ •b&1 lgœAKS œb°Ûm)FbM4Š†UCARO [/œ8rM UCARO_X8Z
 ç>*èWbURL †gl:KZCTI8
<https://www.ucaro.net/>

Step 3:

°Ùè q 7Vb"l[_]•8ªb œb>*ŠS_ è ÀŸÉßçÛÒlgÀŸÇç&5 ìîª'
b eœOí 8ªß@f › _e8œfOS (> *°É2&É?)30%±M•8 FèVb,eXÐ†°ŠKZ
CTI8

Step4:

#8 Vbæ&g_ 'WZ>*¶|>+d'¼†°ŠKZCTI8

Step 5:

1ª±Ÿx%?>&Ç"–Ÿg"¼>8 JPEG>†#8 bLÆ_ 'WZ"µÉßî»KZCTI8 43æ[bf
c[ArO‡

Step 6:

30,000
ôi_ †°Š b#8 [p* bp?}-v%o2†4E¥KZCTI8
1. jPªµ°•î»8Credit Cards: VISA, MasterCard, JCB, AMERICAN EXPRESS >*Diners Club
2. ¥âÀ½šâ « «°!>8-Éâ-ÞÉâ*ßî-â*Ñ½ «°µÉ>*Ç"ÑÛîÐî>*1-ÛîÖ
Ð"Ÿ>*--¥îÐî°
3. 5%µ6õ ATM Pay-easy
4. çµ°ÄâŸâç
>&@->'
í°Ùè qbÚ_> /Gb 8ªH_Ÿ[^–â±îçµ° 8ª©« , ÒmXq 650 Çœ> ç8ª...
2, \^~rM
îÉâ±Ûb)°É2&É\$^1"&iS‡bŸç0b3, sbÛ#Õjg_ v2 ¥\Ç\$ Û#Õœè qYQ[M
í 8ªwÛ<c8?^#.#â @6WZv>*ç(áb°Ùè qc3É4OKrO‡
^>> b&l >'>&>b œœ>*ç(áb°Ùè q?)ú3,mXq†jK,8Z3É4OKrM •
Û?)è q3É4ObSub 3É4O13Ói †43æKrMb[>* 8ª\$ >*i- @^>¶Ÿ
7Á0\$ >*+d*ú3, lg 3É4O13Ób#.#â '¼†°°í23bV>*202 1 ° 2 v 26 ¥
>&>r[_ è ÀŸÉßçÛÒlgÀŸÇç&5 ìîª' b eœOí 8ªß@f › _4'
3æKZCTI8
STK>*8N€b œv–â±îçµ° 8ªbmXqc3É4OP1ß¥[M
>&>' 8ªß@†f K^?WS>*jcwÛl€^?WS œ
>&>'è q†1 WZ§5 _ú~3,†T œ

Step 7:

_____ 6 @/¶&gl€•b|>*ÓÔKZ>8ZCTI8

Step 8:

f jç3æÛ_œ>* è ÀŸÉßçÛÒlgÀŸÇç& 5 ìîª>b eœOí 8ªß@f › †
HòtCTI8
8ªß@†âgM• œœ>* 8ª†6ëb 8>80 ?} 17>80 r[wEÛErM STK>*uY¥>¥Y
¥lg &¶çwEÛErO‡
43æb œœ> \$ \K>* 1 v 8 ¥>&5 >'2%T\KrM @>*G€è7F_?%TKS œœ>* 1 v 6 ¥>& È>'
r[b~3 @6•vb_7H~w#.KrM
rS>*RÄ/8 _ ±Û7T >#.d(Ô&ÉÛ %É'2&ÉÑÑÑÉßçÛÒ8ªi~p \iAKZCTI8

(4) 8ªß@

8ªß@œ>*ÉßçÛÒ_|~\$ ^~rM
è 8ªß@lg4E¤%o& 9 ìîª>b 8ª>ÉßçÛÒbìª†HòtCTI8

(5) 8ªß@f ›

è ÀŸÉßçÛÒlgÀŸÇç&5 ìîª>b eœOí 8ªß@f › †HòtCTI8

(1) じ8ª... ¢ª 8ªS_2NじfM•M(%Ê2Æ¼_X8Z%&1†KZ>8ZCTI8
¼4#dÔ&ÉÛ%Ê2&ÉbM(b_ ¢ªèWb WEB §-°[H&1 CTI8
URL https://www.hiroshima-u.ac.jp/adse/research



STK>*IS%&1/c6Cr[v%Ê2&É?}b_ fj\8:öAbvb[6~>*G€@4E*f4##&i_
s8jM•G\c6~rO‡

(2) 8ªi8@_Y @6• æ_ ¢ª*w#.K^8G\@6~rM rS>* 8ªi8†w#.KS< ¢ª##ä

b8?‡_??f}N>*0°3U!8obšflg3É4O c [ArO‡

(3) 0ÉÂi8@ ¢ª²NN•?>*N•0ÉÂi€S×K†f KZCTI8 N•0ÉÂb^8×Kc0ÉÂi
\KZ1 u)€rO‡

(4) æA<6•8c°Û ¢ª*f i8@_k b0°3Ux0Ö&à @6•G\@8ÂKS æ>*æAí°Û†v~~K
rM

(5) >&ÿ ¢ª' 0b3_s[8ªKZæAKS*... @>*°Û†r[_ >&ÿ ¢ª' [A^?WS æ>*°Û2(A@
^8vb\ s^i€rM

w9,VlGÿÛV"l9^4ÄÖ††0[\M*... ¢ª b!8o†0°3UKS#æ13b&]'c urO‡>' †
P Á7ÿÉB¢ÛÒlgÀ7ÿÇ< &5 ìî³>b eœOí 8ªi8@f ›_f KZCTI8
>,%&1/bì‡ 2020° 12 v7¥>&v>| 12 v11¥>&5 >'r[
->,#æ13ib0°3UÆ

q じ8ª...b¶|j>*+d&4)!>7Á0ð\$•v0°3UKZCTI8 >'
r 3±Ûj>*じfM•ÉB¢ÛÒlgじfM•æ_M(j
s 7€ b'8@i&iØ>&#_ \$ªpb*... ¢ª* Œb0Ç•itçÛKZCTI8 >'
t w9,V"l9^P*(†|fM•!8o
u ÿÛV"l9^4ÄÖ††|fM•!8o
v 3±Û¼[\]€Z8S"l9P*(
w ¥-#Öqb"q#

°Û*...4E††3ûLZv"KS¶Ç_ >&¶|j>#Ö°v¥>*ö9>*QbÛb¶Ç_¼>' ¢ª°Û*...4E
flgæA30%æjg_°Ûm)F††œ:Su_<#ÿKrM æA...b°Û< ¢ª* Û#Ö-|6õ€&áÛ5 #æ
13>*5 q 7V#æ13¼>' »lg1* l9Ê2&°èb5•xじf•¥b1* í(Ö¼>††œ:% \$x†v
WZ•Û @ö#.KrM Ûb% \$x[b<#ÿlg•Ûb6õ€M*É(è¥lbfjçœ8rO‡

(1) °Ûm)F!8@
œA\$!² 3æÛKrM
°Ûm)FbM4Š† UCARO [œ8rM

(2) (áÛ5
" °Ûq 282,000 Ç
- 5 q&°8>' 535,800 Ç
q ¢ª(áb°Ûq ¢ª*8?^#.#ä @6WZv3É4OKrO‡

r V0°0°3Ub5 8 c 2020 ° 4 v#~bvb[M °Ûilg~Ûp_(áÜ5 b5 @/œf€
S œ_ç>*5 <b(áÜ5 †(á°M•G_^~rM

- (1) W#_&gM°%Ê2&Éb°Û0è9,bB)¼_X8Zç>*w9,KS*...>&èW 6ä&g#æ13*... \8>'_7H
~6ä&gKrM

80%	6ä&gÆ
0è9,B)¼	0Ûo >0è9,&É%¼b0Ûo (•7u (0Ûo†µt)

- (2) 0è9,B)¼>&¶Ç_>'b6ä&gç>*F•[b°Ûjc43æb%02[/œ8rM
(3) 6ä&g#æ13*...ç>*0è_ 6ä&g#æ13i†>4#.d(Ö&ÉÛ%Ê2&ÉbÍîÒìª?)²~åßî»K>*
¶[!8o†0°3UbV>* 8ªKSÉßçÛÒb-| P%\$Kjç43æ_|~f KZCTI8
rS>*Qb7>*•Ç[6•G\†&1 [A•8@KZ>*w9,&Š†f&gKZCTI8
(4) °0è_ 6ä&g#æ13i bw#.†6èç>*2021 ° 4 v 1 ¥?) 2021 ° 5 v 31 ¥r[[M
(5) °0è_ 6ä&g#æ13i †w#.KS¥?) 30 ¥èÆ_>*6ä&g#æ13b) Ý†3Û%±KrM

- (1) Èå±Ûç>*2020 ° 1 v?)ÿÖåÃ«Æ8&—¶@[M
(2) Èå±Û[ç>¥\mpIlg¥2 Æ2 _öYA>*g±Û2ÇÈå±Ûó²-7€3z 'ö#.0dN
† w*¥Ç\$ Û#Öbw°€_7•K]A^B † <KZ8rM Q€_|~>|fM•M*ñ @wE
)€^8 œx%Ê2@[A^8 œ@6~rMb[>* @-KZCTI8

Èá±Ù[>ÖIO*...b) f\$2 ,†3Mök>*¿8ª...b4 Ûµ b& -†W•Su>* 2020°Ø_ <M•
•Ûb°Û*...4E¤_>8Z>*°Ûè qb 7VP*(† <M•G\\KrKSb[>*>±}OKrM
°Ûè qb 7V†|f|€•%œ>* 8ªS_ 5 b eœ
Oí 8ª8®f › _²NH4)!CTI8

1
2020°Ø_ <M•±Û7T°è>&ì°Û>*3?Ûlg)...°Û_€•4E*f†µsrM >'

2
°Ûè qb 7V
5 °Ûè9,B)¼b6ä&g_€•mXqv>* 7VbP1ß\^~rM

3
(1) 2016°Ã•%4!Ã•...%œb...7È
(2) 2018 ° 7v1æ7µ_|•O
(3) 2019 ° 8 v 28¥è7F_!O F“2b4#Ý†wES!O
5 °Ûè qb 7VbP1ß\^•°Û*...4E¤œ>*0ñ!O F“24#Ý¥?} 5°†)4#M•¥r [b6è
_ 8ª†6èbq) ¥@0¿ I€Z8•vb_7H~rM

4
3 _>8Z!O F“2 @4#ÝI€Z8•...æ (@ [Ö!OKS¿8ª...>]* b
8N€?_0ñ\M•%œ
(1) zS•Û2(2 ,*... @f+M•+¬ï ‡@²œ>*±0d• ojc oKS œ
(2) zS•Û2(2 ,*... @Z,jcœ%œYÂb œ
(@ IO F“24#Ý...æ¼œ>* bÆ6öÓíÒìîª[H&1 8STERM
http://www.bousai.go.jp/taisaku/kyuujou/kyuujou_tekiyou.html

5
!S_ 5 b eœOí 8ª8®f ›_4)!KS>*
d b#æ13i8®† 8ªi8®\\v_f KZCTI8
^>>*Gb œœ>* 8ªì_ °Ûè q †v83,r^8[CTI8

6
(1) è q 7V#æ13i>&•ÛíÒìîª?}²~âßî»>'
<https://www.hiroshima-u.ac.jp/nyushi/news/1058>
(2) ~!00É Âi>&xK•>>&V0°4 b(1)_0ñ\M•%œ>'
(3) Z,jcœ%œYÂ†0É ÂM•i8®>&xK•>>&V0°4 b(2)_0ñ\M•%œ>'

7
•ÛíÒìîªv3UbPDF Ç“-Ý†g!KZCTI8
https://www.hiroshima-u.ac.jp/system/files/142664/menjo_r3.pdf

8
5 b eœOí 8ª8®f › †H0tCTI8