

# IEST7001

9b[ U[ ]b[ 'GW]YbW' Zcf'9bj ]fcba YbhU``@YUXYfg\]d

HYfa `C bY`##`&\$&%

7 ci fgY`Cj Yfj ]Yk

GHJZ`7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]hcb	D\cbY
@Ji fU`A W@Ji W\`Ub	`Ui fU"a WUi W\`Ub4 i bgk "YXi "Ui	A cbXUm)!*`cfVm Uddc]bha Ybh	A cfj Yb`6fck b F cca `&* -	d`YUgY`i gY

7ci fgY'8YHJ]`g

7fYX]hDc]bng`\*`

Gi a a UfmicZh\Y'7ci fgY

9ZYWj] Y'Ybj ]fcba YbH`YUXYfg\]d`UbX`WUfY`]g`XYdYbXYbhcib`UWW`fUH`UbX`fYgdcbg]j`Y`]bZcfa`Uhcb`UVci`h`  
ci`f`Ybj`]fcba`Ybng`-`Vi`h`ck`Xc`k`Y`\_bck`h`Y`k`c`f`X`3`H`]g`Wci`fgY`]b`fc`Xi`W`g`z`Yi`Ua`]b`Yg`z`Ub`X`X`Ya`mg`h`Z`Y`g`U`  
X]`YfgY`f`h`]`f`g`Z`g`W`Y`c`Z`g`W`Y`b`h`Z`W`a`c`X`f`g`c`Z`W`j`]`X`g`c`Z`W`j`]`f`b`]`d`Y`a`c`b`h`U`b`X`\_`b`c`k`Y`a`X`Y`X`M`X`Y`W`c`i`fg`Y`U`j`a`g`h`c`  
a`U`\_`Y`h`Y`Z`j`a`]`]`U`f`U`g`d`Y`W`g`c`Z`g`W`Y`b`W`g`h`f`U`b`[`Y`Ub`X`h`Y`g`h`f`U`b`[`Y`U`g`d`Y`W`g`Z`j`a`]`]`U`f`z`Y`b`W`c`i`f`U`[`]`b`[`Y`a`V`c`X`]`Y`X`  
Yi`d`  
Y`  
X`%o`

5ggYgga Ybh

5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UHŸ	Gh XYbh@YUfb]b[ Ci hŤa Yg'5ggYggYX
K YY_`mF YgdcbgYg'	' \$l	Bch5dd`]WUVY	%ž&ž' ž(
: ]bU`F Ydcfh	) \$l	&* #\$( #&\$&%\$*.\$\$\$DA	' ž) ž*
E i ]n'	&\$l	&- #\$( #&\$&%\$+.\$\$\$DA	%ž' ž(

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`K YY\_`mF YgdcbgYg

GHfhXUHŸ. Bch5dd`]WUVY

8YHU]`g.

: YYXVUW\_k]`VY'[ ] Yb'i g]b[ '[ YbYfU`Wca a Yb]g'UbX'a cXY`Ub]k Yfg"

Hi fb]h]b`gYh]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]h]X'h]fci [ \ `Hi fb]h]b'UbX'gh XYbh]Xc' bchgYY`Hi fb]h]b  
g]a ]Uf]mifYdcf]g"

## 5 HbXUbW F Yei JfYa Ybhg

5 HbXUbW Jb YWn fYg rk \YhYfj JUX]ghUbW cf]b dYfgcbE]g fYei JfYX ZcfH]g Wci fgY "Gh XYbhg k \c WJbbchVY dUfhcZ]j Y YWn fYg a i ghia U\_Y chYf UffUb [ Ya Ybhg k ]h hY Wci fgY Wcbj Ybcf hc a YYhWci fgY fYei JfYa Ybhg"

## 7 ci fgY GWXYXi Y

[J Jk WUgg ha YhUVY](#)

Hja YhUVY

8 UH	HmdY	7 cbhYbh
<p>GYa JbUf K YY_% %) : YVfi Ufm! %- : YVfi Ufm</p>	<p>GYa JbUf</p>	<p>hfcXi W]cb hc '9b[ U[ ]b[ 'GWYbW</p> <p>h]g]b]hfcXi WcfmgYa ]bUf'k Y'k ]'' [ ]j Y'Ub  cj Yfj JYk 'cZhY Wci fgY Ug'k Y'' Ug Wcj Yf'h fYY'a U]b  dfYa ]gYg'cZh]g Wci fgY.</p> <p>% " GWYbW ]g'gcWU"</p> <p>&amp; " HYY'dck Yf'cZgWYbW WJb YUX'hc V'cW_g]b  Vch ]b Vch YUfb]b [ UbX Wca a i b]WU]b[  gWYbW fvi h hYgY Wb VY'cj YfWca Y'k  ' " Bi UbWX'i bXYfgHUbX]b[ 'cZgWYbW ]g  bYWWggUfmZcf' [ fYUhYbj ]fcba YbU WfY"</p> <p>K Y'k ]''cc_Uh—Ua cb[ 'a UbmX]ZYfYbhk Umg'cZ  _bck ]b[ —k \UhdFYW]gY'm'gWYbW' ]g" K Y'k ]''U'gc  [ Yh'hc 'a YYhYUWX 'chYf UbX'ghUfh'YUfb]b[ 'k \Uhk</p>

K YY\_% &\*j Yf'h fYY'a U]b

Uf ]b[ 'GWYbW' ]g'gcWU' ]b[ 'k \Uhk



K YY_ ; .) '5df]'! - '5df]	GYa ]bUf	9b[ U[ ]b[ 'GWYbW Dcgg]VY ZY Xff]d fKYdYbX]b[ 'cb'7CJ =8 'gUZYmē:H65
K YY_ - . '%&'5df]'! '%* 5df]	GYa ]bUf	7ca a i b]WU]b[ 'GWYbW : fca 'ci f'ēi fbYmēfci [ \ 'hY Wēi fgY'gc Zfz'k Y _bck 'hUhgWYbh]Z]Wk cf_ 'WU'VY 'Vcēh ]bhY'YVW' U`m UbX'W 'h fU`mVXU`Yb[ ]b[ " 'K \Yb'k Y'k Ubhēc Wēa a i b]WU]gWYbWž\ck 'WU'k Y'Uj c]X'Y]hYf dUfcb]g]b[ 'ci f'Ui X]YbWg'cf'cj Yf!Wēa d']WU]b[ 'hY gWYbW3'ē'h ]g'gYa ]bUfz'k Y'k ]''g\UfY'UbX'X]gW gg ci f'Z] ci f]h'YI Ua d'Yg'cZdi V']WYb[ U[ Ya YbhcZ UbX'k ]h'gWYbW'Zc'f'hY'Ybj ]fcbā Ybh'K Y'k ]''h]b_ UVci hci f'Ui X]YbWg'fWēfdcfU'3'; YbYFU`di V']W3 @cVVm]b[ 3ē'UbX'fYZYWicb'ci f'Z]bU`dfc'YVWg"
K YY_ %\$. %- '5df]'! '& 5df]	GYa ]bUf	@cj Y'UbX'gWYbW. 'gi ghU]b]b[ k cfXg ē'h ]g'Z]bU`gYa ]bUfz'k Y'k ]''fYh fb'hē'W 'h fU` UgdYVWg'cZgWYbWžVi h]b'U'X]ZYfYbhk Um`ck 'WU'b gWYbh]Z]WdfUWVW' \Y'd'dYcd'Y'ē'ZU` ]b`cj Y'k ]h'hY k cfX'Ufci bX'hYa 3'<ck 'k Y'gi ghU]b'ci fgY'j Yg'Ug dYcd'Y'Xc]b[ 'hY'X]Z]W' h'k cf_cZdfcWgg]b[ 'cZYb VXU`Yb[ ]b[ 'XU'U'UVci h'hY'ghU'cZci f'd'UbYf3 K \Uh]g'hY'k cf_k Y'WUfY'UVci ha cgh[ c]b[ Zc'fk UfX'Z'UbX'k \Uhgcfhg'cZWē''UVcfU]cbg'Xc'k Y bYXX'ē'VY'U'dUfhcZē'gi ddcfhihUf3



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\Yfy`]g`bc`fYei` ]fYX`hI hZcf`h]g`Wci fgY""5``fYUX]b[ g`k` ]``VY`Uj U]UV`Y`j ]U`@Y[ Ubtc"

F YWca a YbXYX`F Ygci fWg

5``fYUX]b[ g`k` ]``VY`Uj U]UV`Y`j ]U`@Y[ Ubtc"

7ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh

Gh XYbhZYXVUW\_ [ Uh YfYX`j ]U`A m9I dYf]YbWZA 9A`dfc[ fUa`!fyj`]g]cb`]bhYfj ]Yk`g`UbX`]bZcfa U`Xi f]b[ !

Gi Va ]gg]cb 'cZ5ggYgga YbhiHUg\_g

Hi fb]h]b 'Gi Va ]gg]cb

≠mci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UH'Ya dh]b[ 'hc'gi Va ]hirci f'Ugg][ ba Ybhi'fci [ \ 'Hi fb]h]bž'd'YUgY  
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'- ' , ) " ' ' %cf'Ya U] 'h'Ya 'cb'YI HYfbU'HY'hgi ddcfh i bgk "YXi "Ui "'Gi ddcfh

5 WUXYa ]W< cbYgmiUbX`D`U[ ]Uf]ga

D`U[ ]Uf]ga `]g`i`g]b[ `h`Y`k`c`f`X`g`c`f`]X`Y`U`g`c`Z`c`h`Y`f`g`i`U`b`X`d`f`Y`g`Y`b`h]b[ `h`Y`a` `U`g`m`c`i`f`c`k`b`" `#`W`b`h`U`\_`Y`a` `U`b`m`  
Z`c`f`a`g`Z`Z`c`a` `X`Y`]V`Y`f`U`h`Y` `W`X`Y`U`h]b[ `h`c` `U`W`W`Y`X`Y`b`h`U` `m`i`W`c`d`m]b[ `Z`c`a` `U`g`c`i`f`W`k`]h`c`i`h`U`W`b`c`k` `Y`X[ `Y`a` `Y`b`h`

- i bXYfghUbx'mci f'f][ \hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wcdmf][ \hžI BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dYW'X'cZYj Yfmcby']b'h'Y'I BGK 'Wca a i b]m
- 'cWJh'gYfj ]W'g'UbX'j]bZcfa Uh'cb'UVci hl BGK 'UbX'I BGK '@VfUfm

Gca Y'cZh'YgY'UfYUg'k ]''VY'ZJa ]]Uf'hc'mci ž'ch'Yfg'k ]''VY'byk "'; U]b]b[ 'U'gc`X'i bXYfghUbx]b[ 'cZU''h'Y fY'UH'X'UgdYW'g'cZ9@G9'k ]''\Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hhd.##ji V'YW'i \]XYg"'\]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

## 5 WUXYa ]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[ `tc.

- fYei Ygth]Zc`f`Yl H`bg]cb/
- `Uh`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`GUZYmdc`]WYg/