

# 福萊特玻璃集團股份有限公司

F G G C ., L .

(a c c a c a d P ' R b c fC a d ab )  
( : 06865)

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A A F G G C.,L.,

C, 1 G P ,

A 1 T A c f A c a a f . a d acc da c  $\otimes_{\mathbb{V}}$   
C a  $La_{\otimes_{\mathbb{V}}} f$  P ' R . b c f C a ( af f d a C a  
 $La_{\otimes_{\mathbb{V}}}$ ), S c  $La_{\otimes_{\mathbb{V}}} f$  P ' R . b c f C a ( af f d a  
S c  $La_{\otimes_{\mathbb{V}}}$ ), S c a P f S a C . c O a Off  
a d L f S a b J S c L d C a ( af f d a  
S c a P ), R f S a C . c Ad . f P  
A cab N c P d f H d S a d ' M f O a L d  
C a ( af f d a Ad . R ), Ma da P  
f A c f A c a f C a L d O a ( af f d a  
Ma da P ), G da c f A c f A c a f L d C a  
( af f d a G da c f A c f A c a ), L f O  
S a A d A c f A c a f C a b L d  
H K ( af f d a O S a A d ),  
R G L f S c T S c E c a f H K L d  
( af f d a L R f S c E c a ), T S c L  
R f S a a S c E c a ( af f d a L R f  
SSE $_{\otimes_{\mathbb{V}}}$ ,  $\otimes_{\mathbb{V}}$  L R f S c E c a , a f d a L  
R ), a d a ,  $\otimes_{\mathbb{V}}$  a a af . a d a f  
Fa Ga G . C ., L d. ( af f d a C a \_ C a \_ ),  
a d a d c d a d . a a a d c d c f C a .

T C a c a d a a c d c a acc da c  $\otimes_{\mathbb{V}}$   
C a  $La_{\otimes_{\mathbb{V}}}$  S c a P a d a PRC a $\otimes_{\mathbb{V}}$  a d ad a  
a .

T C a a c d c a ab d 29 D c b 2005 b  
d a . c f a Z a Fa Ga & M L d..  
T C a  $\otimes_{\mathbb{V}}$  d  $\otimes_{\mathbb{V}}$  Z a P c a Ad a f I d &  
C c . T f C a a : R a H a , J a J a , R a Z ,  
Z W , S F . a , Z . Q a , W Y , S Q f , Ta H  
a d W S . a . T C a ' . f d c a c d c d 913300007044053729.

A 2 R d a f C a :

C a : 福萊特玻璃集團股份有限公司

E a : FLAT GLASS GROUP CO., LTD.

A 3 Add f C a : N . 1999, Y . R ad, X . D c ,  
J a C , Z a P c ;

P a C d : 314001;

T . b : (86573) 82793999;

Fac . b : (86573) 82793015.

**A 4** T a a f C a c a a f b a d f  
d c .

**A 5** T C a a c d c a a a c  
(L d C a ).

**A 6** T A c f A c a a c ff c a a b  
c a a d a a d f da  $\otimes_{\mathbb{K}}$  c d c a f  
C a a d a SSE.

U ff c da f A c f A c a , A c f A c a  
a b c a d c a C a ' a a a d a c ,

## C 2 O , B

A 9 T b b c f C a ac c a ,  
fa f c a a d a b f .

A 10 T b c f C a a b a c a  
a d b a a a .

T b c f C a c d : a c c d a fac.  
f a , a fac. f c ca a d c , a fac. f a d c  
f a d c , f ad , ad a d a d c , a fac.  
f a c , a fac. f c c a a a d a fac. f c a d  
ac , f a c a d c c , a fac. f d a  
c c a d , a f ac a d ( c f c a  
a b c a a acc da c  $\boxtimes_V$  a  $\boxtimes_V$ , b. a a b  
c d c d d  $\boxtimes_V$  b. c c ( ) acc da c  $\boxtimes_V$  a  $\boxtimes_V$ ); a d  
c d c c d a d f d (f c b c a a  
acc d a a  $\boxtimes_V$ , a ac a b ca d a a  
f a a ( ), a d c f c c d c a b b c  
f a a).

## C 3 , R C

A 11 T C a a a d a a a a ;  $\boxtimes_V$  a a  
f c a a a a d a a a d b S a C c ,  
C a a a c a f a  $\boxtimes_V$  d d.

A 12 A a d b C a a a a a ,  $\boxtimes_V$  ac  
a a a a a fRMB0.25.

RMB f d c d a a a f a c c f PRC.

A 13 T c f C a a a f f a . T C a  
a ff a b d c a d f  $\boxtimes_V$  a a f a  
c a a d S a C c . T C a a a  
a fa a d a , a d ac a f a c a a a . A  
a f a c a d a a a b d d a c d  
a d a a c ; a d d a a a c f ac a .

F f d c d a a a a a  
f c , H K , Maca Ta  $\boxtimes_V$   $\boxtimes_V$  b c b f a f C a .  
D c a a PRC, c d af d  
,  $\boxtimes_V$  b c b f a f C a .

A 14 S a a C a d c f b c  
RMB a b f d a d c a . S a a C a f  
f b c f c c a  $\boxtimes_V$  a a d b f  
a d a a f d b a d d d c a C a a b  
f d a f a . F a ff d a d d a a b a d  
a - d f a .

F c c f d c d a a a f a c c ,  
a RMB, fa c , ¥ c c db f c a  
a f P ' R b c f C a ( PRC ) a d c a b d a C a  
f a .

T d c a d b C a a b a d A a . T a -  
d f a f f d b C a H K S c E c a a b  
a d H a , . . , a ¥ c a b a d d f H K S c  
E c a , a a . f ¥ c d a d RMB a d ¥ c a b c b d  
f a d a d d H K d a . U a a b S a C c c  
a a d S a C c a d a d b H K S c E c a ,  
A a a b c d H a ¥ c a b c c a d H K  
S c E c a .

B d f d c a a d d f f a a d a a d  
a d a a a a d b a . T d c a d b C a  
a d f a d a a a a ¥ c f a a  
d d d a f .

A 15 A d b c a - a a d a a d b S a  
C c , C a d 70,000,000 a ( ¥ a a . f RMB 1 a ) ,  
a f ¥ c a b b c b d a d d b a f C a '  
c a .

T f C a c f a a c d M . R a  
H a . W C a ¥ a a a c c a , d c a a  
f C a ¥ a RMB 70 a d a b f a ¥ a 70,000,000 a ,  
a d f ¥ a a f ¥ a :

N .	N	A (RMB'000)	P (%)	C	D
1	R a H a	24,500	35.0	Ca	D c b 2005
2	J a J a	17,500	25.0	Ca	D c b 2005
3	R a Z	17,500	25.0	Ca	D c b 2005
4	Z W	3,150	4.5	Ca	D c b 2005
5	S F a	2,100	3.0	Ca	D c b 2005
6	Z Q a	2,100	3.0	Ca	D c b 2005
7	W Y	1,050	1.5	Ca	D c b 2005
8	S Q f	700	1.0	Ca	D c b 2005
9	Ta H	700	1.0	Ca	D c b 2005
10	W S a	700	1.0	Ca	D c b 2005
Σ		70,000	100	/	

**A 16** T a b f d a f C a 2,146,193,254  
a .T ca a . c . f C a c f 2,146,193,254 d a a ,  
c . d 1,696,193,254 d c a (A a ), acc . f 79.03% f a  
b f d a f C a a d 450,000,000 a - d f a  
(H a ), acc . f 20.97% f a b f d a f C a .

**A 17** T d ca - d d c a . d b C a a  
b . d d b a a a f a .T H- a  
. d b C a a a . d c . d b c . a a d  
c a H K d b a d ☒ a .

**A 18** T b a d f d c f C a a a a a f  
C a ' a a . a c f a - d f a a d d c a  
acc d . c a d b c . a a . d  
S a C . c .

Acc d af a d c f a a . a c f a - d f  
a a d d c a , C a a . c a a a ☒ 15  
a a f c . a a . d S a C . c .

**A 19** If C a a a a - d f a a d  
d c a ☒ a . b c f d . c , a d a a  
b . d c a ; f b f a b . d a  
f c a a , a a b . d b a a a b  
c . a a . d S a C . c .

**A 20** T C a ' d ca a RMB536,548,313.50. T c a  
d ca a f C a a b d a c Ad a  
f I d a d C c .

**A 21** T C a a c a ca a . a d f a  
a d d a d acc da c ☒ a☒, ad a . a , d a a  
. , f ac ☒ c a ad d a d ba d A c f  
A c a .

T C a a c a ca a b :

(I) Off f ☒ a c f d . c f d ;

(II) P ac f ☒ a a d ;

(III) Off f ☒ a a d ;

(IV) Off f ☒ a c f d ;

(V) C f ca a a ca a ;

(VI) C f C a ' . d c b b d a ;

(VII) O a . a d b a<sub>√</sub> a d a d a . a a d a d b  
c . a . d S a C . c .

I . a c f <sub>√</sub> a b C a a b . b c a a a c f d  
A c f A c a a d f <sub>√</sub> c d c f d a a<sub>√</sub> a d  
ad a . a f P R C a d a c f f a f C a .

T C a a c a f d c a a a f a c a a c a  
d c <sub>√</sub> d a a d c c a a d a a a d a a  
a . c f.

A 22 S a a <sub>√</sub> c f d b a<sub>√</sub>, a d a . a a d a  
d b H K S c E c a , C a ' a a b a f d  
f a d a b . b c a .

T a f f C a ' a a b d <sub>√</sub> a c . d  
b C a . T C a a a . c a d c f c a f  
a ; f . b c , c a a f f a d a f a  
d d a d f a , . c d d a d . b a f f  
b a a . c a f a a c .

A 23 W a d c , . a d a a a a d  
<sub>√</sub> d a 5% f a f C a c f C a  
a d <sub>√</sub> 6 a f . c a , c a a c a d <sub>√</sub> 6  
a f , c d a a d f a b a f f f C a .  
T b a d f d c f C a a a b a c c d . H <sub>√</sub> , <sub>√</sub> a  
c c a d a 5% f a f C a , <sub>√</sub> c a d a  
c a f d <sub>√</sub> a . c a d b , a f f c a  
b d b f 6 .

W b a d f d c f C a f a a  
c b d c d a a a , a d c c d a  
b a d f d c <sub>√</sub> 30 d a . W b a d f  
d c f a <sub>√</sub> a f a d , a d a a  
d c f a a<sub>√</sub> <sub>√</sub> ' c . <sub>√</sub> a f  
f C a .

## C 4 C R ( R

A 24 T C a a d c d ca a acc da c  $\boxtimes_{\mathbb{N}}$   
A c f A c a . T C a a d c d ca a . a  
C a La $\boxtimes_{\mathbb{N}}$  a a a d A c f A c a .

A 25 T C a a a ba a c a da f  $\boxtimes_{\mathbb{N}}$   
d c d ca a .

T C a a f a c d  $\boxtimes_{\mathbb{N}}$  10 da af ad f  
d c d ca a a d a a a c  $\boxtimes_{\mathbb{N}}$  a  $\boxtimes_{\mathbb{N}}$  30  
da . T c d a a C a a d b d  
c d a a f d b a  $\boxtimes_{\mathbb{N}}$  30 da af c f c  
 $\boxtimes_{\mathbb{N}}$  90 da af f a c f c d a ' c d c .

T C a ' d ca a a , d c ca a , b a  
a .

A 26 T C a a , f  $\boxtimes_{\mathbb{N}}$  c c a c , b bac  
a d a f  $\boxtimes_{\mathbb{N}}$  a c d c f d A c f A c a ,  
ad a a , L R a d  $\boxtimes_{\mathbb{N}}$  a a f a a  
f a :

(I) W ca c a f d c d ca a f C a ;

(II) W  $\boxtimes_{\mathbb{N}}$  c a d a f C a ;

(III) W a E S a O $\boxtimes_{\mathbb{N}}$  P a a a a $\boxtimes_{\mathbb{N}}$  d ;

(IV) W a d b c f a c c  
d f C a C a b a ;

(V) W a c c b b d db C a ;

(VI) W c a d b C a c a a d a d ' ;

(VII) I c c a c a d b a $\boxtimes_{\mathbb{N}}$  a dad a a .

E c d ab c c a c , C a a a a ac  
f c a f a .

A 27 T C a a c a a a f f  $\boxtimes_{\mathbb{N}}$   $\boxtimes_{\mathbb{N}}$   
a a b a a f a :

(I) I a c a ff a a d acc d a a c a ;

(II) B bac a ac c c a ;

(III) B. bac . a . d c c a ;

(IV) O d a a d b c a c c d.

W C a . c a a d c c a c a d  
(III), (V) & (VI) f A c 26 f A c f A c a , . c a a b c a d  
b b c c c a d a a c .

A 28 I . c a f a . a d c c a ,  
C a a a a a a acc da c ☒ A c  
f A c a . W a a a a ☒ a , C a  
a c a c c a c ac a ad c c d d af ad a ☒ a  
d c ac .

T a . c a c ac d c d a a a a c d  
(b. d ) a d a a c a b a a d b a a  
c a .

T C a a a f a c a c ac a d .

A fa a C a ' . c a d ab a c c d:

(I) T c a c dc a . f c a a c a d  
a b d ; a d

(II) W a f c a b d , a d b a  
ff d a a d .

A 29 R . c a f C a ' a f a (I) (II) f  
A c 26 f A c f A c a a b b c . a a a  
W C a . c a a d c c a c a d (III),  
(V) & (VI) f A c 26 f A c f A c a , . c a a b db  
a ☒ - d f d c a a b a d . Af C a a  
b . bac a acc da c ☒ A c 27 f A c f A c a , c  
a a b c a c d ☒ 10 da af c a c c a c  
(I), a b a f d c a c d ☒ c c a c  
(II) a d (IV).

I ca f c c a c (3), (5) a d (6), a a db C a  
a c d 10% f a a db C a , a d c a a b  
a f d ca c d ☒ 3 a .

T a a a a . f ca c d a a b d d c d f C a ' ,  
d ca a , a da a a a f a f c a  
d ca a .

**A 30** U C a d da , C a a b  
f  $\boxtimes_V$  a  $\boxtimes_V$  b bac a d a :

(I) If C a c a a a a a , a a b  
d d c d f b ba a c f d b ab f a d c d f  
a c f  $\boxtimes_V$  a f b bac d a ;

(II) If C a c a a ab a a , a  
a a a b d d c d f b ba a c f d b ab  
f a d c d f a c f  $\boxtimes_V$  a f b bac d a ;  
c d a a a b c d a f  $\boxtimes_V$  :

1. D d c d f b ba a c f d b ab f f C a  
f a c a d  $\boxtimes_V$  d a a a ;

2. D d c d f b ba a c f d b ab f f C a  
a d c d f a c f  $\boxtimes_V$  a f b bac d a  
f a c a d  $\boxtimes_V$  d a ab a a ; b a  
d d c d f c d f a c f  $\boxtimes_V$  a a c d  
a ba da f a c f a c a d  
a d a c d a ( c d f a c f  
 $\boxtimes_V$  a ) acc ( ca a acc ) f  
C a a f c a ;

(III) T a d b C a f f  $\boxtimes_V$  a b d d c d  
f d b ab f f C a :

1. Ac c a a ;

2. C a a c a c ac ;

3. Ca c b a d a c a c ac .

(IV) Af a a f ca c d a d d c d f d ca a  
f C a a a a , a d d c d f  
d b ab f f a a a f a c a d a b  
a d acc ( ca a acc ) f C a .

**C 5 F A A , , C**

**A 31** T C a b da a a a a f  
d a f a c a a a c c a a c a f C a ,  
a . T af a d c a c d d c d a  
b a b ca f c a f C a , a .

T C a b da a a a a f d a  
f a c a a a c af a d b f f d c d c a  
b a .

T d a c c a c . A c 33 f  
C a .

A 32 F a c a a a c f d C a a c d (b.  
d ) f  $\boxtimes_V$  :

(I) G f ;

(II) G a a ( c d ca  $\boxtimes_V$  a a d a ab d  
f f f b a b b ), c a  
( c d c a f C a '  $\boxtimes_V$  fa ), a  $\boxtimes_{V_1}$   
f ;

(III) P f a c f c ac d  $\boxtimes_V$  c C a f f  
b a a , c a f a d a a d a  
c ac , a d a f f a d a a d d c ac ;

(IV) P f a f f f a c a a a c  $\boxtimes_V$  C a  
, a a a a d c a f ca .

Ob a f d a c d b a d a b b  
f a c ac a a a a ( a d  $\boxtimes_V$  a d c ac  
a a f c ab  $\boxtimes_V$  d a b b d d a  
 $\boxtimes_V$  ) f c a f a c a a f .

A 33 T f  $\boxtimes_V$  ac a d d a b d d A c 31 f  
C a :

(I) T C a d a f a c a a a c fa f  
f C a a d a d f a c a a a c a d d f  
c a f C a ' a a d f a c a a a c a f a  
a a f C a ;

(II) T C a d b a d d d acc da c  $\boxtimes_V$  a $\boxtimes_{V_1}$

(III) T C a d b a a d d d ;

(IV) T C a d c d ca a , b bac a a d ad .  
a d c acc da c  $\boxtimes_V$  A c f A c a ;

(V) T C a ,  $\boxtimes_V$  b c , d a f a b  
a (b c f a c a a a c a a d c a  
a f C a , d fca a d c a , c f a c a a a c  
f d b ab f f C a ) ;

(VI) T C a d a f c  $\boxtimes_V$  a (b c  
f a c a a a c a a d c a a f C a ,  
d fca a d c a , c f a c a a a c f  
d b ab f f C a ) .

## C 6 , , , ' R

A 34 A S a c fca f c fca d c a a  
d b C a a d b a d c c d. T C a ' a a  
a d a .

Ma c f d C a ' a c fca a c d :

(I) C a a ;

(II) Da f c a f C a ;

(III) S a d ' a a d add ;

(IV) C a f a d b ac a d , a a a d b f a  
d;

(V) S a b f a c fca d b ac a d a d da  
c a a ac d;

(VI) O a b c f d a C a La S c a P ,  
R 19A.52 f L R f S c E c a a da d b  
c c a c C a ' a a d.

D. d a - d f a a d H K  
S c E c a , C a a a d c a d c fca  
fa a d H K S c E c a ( c d a - d f  
a c a d H K S c E c a ) a c d f  
a , a d a c a d a a c a b c ,  
c a a f f a d a f a d d a d ,  
a d a d d d a d a b d a d a a d  
a a d a , c a c d f a :

(I) T a c a a C a a d ac f a d ,  
a d C a a ac a d b a d c  
C a La S c a P , a a , ad a  
a a d A c f A c a .

(II) T a c a a C a a d ac f C a ' ,  
a d , d c , , a a a a d a a ,  
a d C a ac b a f a d f ac d c , ,  
a a a a d c a ac a d , f  
a d c a a f A c f A c a f  
b a c f d C a La a  
ad a a c C a ' affa a b a  
acc da c A c f A c a , a d a a f c a b a  
a b d d a a b a b a c d c a b c a  
a d b a b a a d , a d a b a a d  
a b f a a d c c .



A c f f d f a - d f a a b ad  
a a ab a C a ' d c ; a d f a c a a a  
a a d c f f d f a - d f a a  
c .

I a c d a a d c f f d f  
a - d f a a c , a a a .

A 40 T C a a a c a d ' .

T a d ' a c d f  $\otimes_{\mathbb{V}_k}$  a :

(I) S a d ' a d c f C a , a a c f d  
(II) a d (III) ;

(II) T C a ' f d f a - d f a  
ac f a c c a  $\otimes_{\mathbb{V}_k}$  a a d; a d

(III) S a d ' a b a d f d c d c d ac  
f f a f C a .

A 41 T c a f a d ' a a ac  
. I f a f f a d a c f c a f a d '  
, a d a a b d a a f a d '  
d a f a f a d a .

A a c c ac c f f a d a b ad  
acc da c  $\otimes_{\mathbb{V}_k}$  a  $\otimes_{\mathbb{V}_k}$  f ac  $\otimes_{\mathbb{V}_k}$  . c c f f a d  
.

(V) If a a d d b a f d d , b f  
d a d a c d f ; a d

(VI) T a a a b c f a c a .

S d C a f a a f f a , a ,  $\boxtimes_{V_1}$   $\boxtimes_{V_1}$   
f da f f a a ca f a f , d a f a d  
a f  $\boxtimes_{V_1}$  a  $\boxtimes_{V_1}$  c a f a f a f c a f .

T a f f a a - d f a d H K a b c d  
 $\boxtimes_{V_1}$  a  $\boxtimes_{V_1}$  a f a a c f a a f a  
acc d b b a d f d c ; a d a f a b d b a d  
 $\boxtimes_{V_1}$  a . If a f a f a c d c a ( R c d  
C a H \_ ) f a d f d S c a d F O d a c  
(C a 571 f La  $\boxtimes_{V_1}$  f H K ), a f f ca b d b a d .  
A a f a b a a add f C a ac  
d a d b b a d f d c f .

A 43 N a d b ca b a f d  $\boxtimes_{V_1}$  l a af  
ab f C a . S a a ad d b C a b f b c  
ff a b a f d  $\boxtimes_{V_1}$  a af a f C a a d  
c c a .

T d c , a d a a a C a  
a a ba ab a d a d c a f a d a a f  
a 25% f a a d f ff c ; a d  
C a a b a f d  $\boxtimes_{V_1}$  a af a f C a a  
d . T af a d a a f a C a  $\boxtimes_{V_1}$  a f a  
a af a c  $\boxtimes_{V_1}$  C a , c f a  $\boxtimes_{V_1}$  c  
a f a f a d a a c b d a a f  
c c a a ca  $\boxtimes_{V_1}$  C a ' a a d .

A 44 N c a f a a d ' a f a  
a f a b ad  $\boxtimes_{V_1}$  30 da b f c f a a  $\boxtimes_{V_1}$  f  
da b c a da  $\boxtimes_{V_1}$  c C a d c d d b d d d .  
W a c c a a a ac  $\boxtimes_{V_1}$  a  
f C a a d d  $\boxtimes_{V_1}$  , c a b f  $\boxtimes_{V_1}$  d .

A 45 If C a c a a , d b d d d ,  
c d c da c a ac c f a d ,  
b a d f d c a d a a c a da a a d d a da , a  
d f  $\boxtimes_{V_1}$  c a d a b a d f C a .

A 46 If a b c a d ' a d a a  
a ( ) c d d d d f a d ' , a d a  
a c f c d c c c a d ' .

**A 47** If a a d a d , a  
a a ( ) c d d a d , a a c fca ( . .  
a a c fca \_), ad a d a a C a  
 $\boxtimes_{\forall}$  a c fca f ad a ( . . a a \_). R a d  
c f  $\boxtimes_{\forall}$  a a ab a , C a a a  $\boxtimes_{\forall}$   $\boxtimes_{\forall}$  a a  
ac , b d a ab d b a a  $\boxtimes_{\forall}$  a  
a b d d.

A ca f a c f a c fca db d fd c a  
a b c d acc da c  $\boxtimes_{\forall}$  C a La $\boxtimes_{\forall}$ ,

A ca f a c f a b d f a - df a  
a b c d a a $\boxtimes_{\forall}$  a f c c a a  
a f ac  $\boxtimes_{\forall}$  a f a d , f a - d  
f a .

A ca f a c f a db d f a - df  
a d H K a f  $\boxtimes_{\forall}$  :

(I) T a ca a b a a ca  $\boxtimes_{\forall}$  a da df a d a db  
C a a da ac a a a d d a a . T c f  
a a d d a a a c d a f a ca ,  
f a ab  $\boxtimes_{\forall}$  a c fca , a da a a  
a b da a d f a a .

(II) B f d c d  $\boxtimes_{\forall}$  a c fca , C a a c d  
a a a a b d a a ca b da  
a d f ad a .

(III) Af d c d  $\boxtimes_{\forall}$  a c fca a ca , C a a  
b a c f a c f  $\boxtimes_{\forall}$  a c fca  $\boxtimes_{\forall}$  a  
d a db b a d fd c f a d f 90 da ,  $\boxtimes_{\forall}$  a a  
a c a 30 da d.

(IV) B f b a c f a c f  $\boxtimes_{\forall}$  a c fca ,  
C a a b a c f d af a c c c a  
 $\boxtimes_{\forall}$   $\boxtimes_{\forall}$  c C a d, a d a b a c  
af c f ad c c a c f a ad  
a c a b d a d c c a . T ada c  
a b d a d c c a f 90 da .

If a ca f a c fca a db d  
d f a a , C a a d a c f d af  
a c ad a d .

(V) If, af f 90-da d fa c a d d a c f d  
 (III) a d (IV) f A c , C a a c d a b c  
 a c f a c f ca , C a a a c f ca  
 a d b a ca .

(VI) W C a a c f ca a A c ,  
 C a a d a ca c a a c f ca , a d c d  
 c ca c a a d a c a d ' .

(VII) A f ca c a f a a c f ca a d  
 a c f ca a b b b a ca . T C a a f  
 a a ac b f a ca d a a ab a a .

A 48 Af C a a c f ca acc da c a  
 A c f A ca , a ( ) f b a f d c a f af a d a  
 a a d a d a f a d a ( f a b a f d  
 c a ) a b d d f a d ' .

A 49 T C a a a b a c a a f a  
 a f ca c a f a a c f ca a c f a  
 c f ca , a d ca a C a a c d a f a d.

## C 7 R , O

A 50 S a d f C a a a f d a f  
 C a , a ( ) c d d a d ' .

S a d a d f f b a a c a a d b  
 f a d; a f a ca a a d a  
 b a .

T C a a c a f a da a  
 a ac d a a d c d c d b a d a  
 a d a d c d a d C a .

W a da a d f a a ,  
 a b d da d f a d a b c f a c :

(I) T C a a a a f a  
 a d f a a ;

(II) T a d f a a a a d a a  
 b f a f f a ab f a a ;

(III) I a a f a d d c a ,  
 a a d a b d d b C a a a  
 f a a . H , b a d f d c a , f  
 f d f a d ' , a f a d a  
 c f ca f a a d a d a a ; a d

(IV) A a d f a a , a d d f  
a d ' a a a c f ca  
f C a a d c c f C a , a d a c d  
a d a b d d a a b d a a d  
f a a .

A 51 T d a a d f C a a b d  
f  $\text{[v]}$  :

(I) T c d d d a d f d b a  
d;

(II) T , ca , c a d a d a b  
acc da c  $\text{[v]}$  a $\text{[v]}$  a d c ;

(III) T , a ab b a  
f C a ;

(IV) T a f , a f d a acc da c  $\text{[v]}$  a $\text{[v]}$  ,  
ad a a a d A c f A c a ;

(V) T a d a a b a a f a acc da c  
 $\text{[v]}$  a $\text{[v]}$  , ad a a a d A c f A c a  
d  $\text{[v]}$  d c  $\text{[v]}$  c c a f a d  
C a a d b f a d a d a f f ca f a f  
a d b C a , c d :

1. Ob a ac f A c f A c a a f d c  
c ;

2. B d acc a d c a f a ab ;

(1) C f a a d ' ;

(2) P a f a f C a ' d c , ,  
a a a d a a , c d :

(a) P a d f a a d a a ;

(b) P c a add (d c );

(c) Na a ;

(d) F - a d a a - cc a a d d ;

( ) Id c f ca a d b f.

(3) R f a . f . d a ca a f C a ;

(4) R f a a a . , . b f a , a d a d  
 $\boxtimes_V$  c f ac c a f a . c a d b C a  
 c a f ca a , a d a a d b C a  
 f . ;

(5) C . f f c a b d ;

(6) T a a d d f a c a a f C a , a d  
 f b a d f d c , a d a d b a d f . ;

(7) C f a a . a c f d  $\boxtimes_V$  d  
 a d c c a f C a c a ;

(8) M . f a (f c f a d ).

T C a a a H K add d c a f d (1)  
 (8) ab ( c d (2)) a d a a cab d c a f  
 L R f S c E c a f f c f . b c a d a d .

(VI) I f a . da f C a , a c a  
 d b . f a a f C a  
 a d ;

(VII) F a d b c f a c c  
 d f C a , C a b . a ;

(VIII) T a d a a a a d a c f  
 a f C a a a . b a a  
 $\boxtimes_V$  b a d f d c da ad a c ;

(IX) T c c f d b a  $\boxtimes_V$  , ad a . a a d  
 A c f A c a .

A 52 I a a a d  $\boxtimes_V$  a acc a f a  
 a d c b d A c 51 f A c f A c a b a f a , a  
 d a  $\boxtimes_V$  d c C a c a a d . b f a f  
 C a d . S c f a a b d d a d a  
 af C a f d f a d .

A a d a f f c f d a b a C a '  
 ad c  $\boxtimes_V$  c ab d  $\boxtimes_V$  a d a ab . c  
 f a . T a d a b a ab f c a ca f a  
 da a ca d C a .

**A 53** T d a a d f C a a a f  $\square_{\sqrt{}}$   
b a :

(I) T b A c f A c a ;

(II) T a b c f d a a b c b d a d d f  
b c ;

(III) S a  $\square_{\sqrt{}}$  d a  $\square_{\sqrt{}}$  a a d c a c b d b a  $\square_{\sqrt{}}$  a d  
ad a a ;

(IV) S a ab a a a d da a f C a  
a d , ab a a f C a a d  
d ab f a d da a f c d ;

A a d  $\square_{\sqrt{}}$  ab a d ,  
C a a d a d d b ab f c a acc da c  
 $\square_{\sqrt{}}$  a  $\square_{\sqrt{}}$

S a d  $\square_{\sqrt{}}$  ab a a f C a a d d  
ab f a d , d ca f ab a d da a  
f c d , d b a d a d ab  
C a .

(V) T f f b a a d b a  $\square_{\sqrt{}}$ , ad a a  
a d A c f A c a .

A a d d a b a c b a c a a ca a  
b a b c b d c d acc d b a f b c .

**A 54** If a a d d 5% f C a d  
a , d C a  $\square_{\sqrt{}}$  da f c cc c .

**A 55** T c a d ac a c f C a a  
a c a d a da a C a , . If c  
a d da a C a , d b b f c a .

T c a d a d ac a c a f d c a d  $\square_{\sqrt{}}$  a d  
C a a d a d d b c c a f C a . T  
c a d d c c a ca a c b . T  
c a d a a f d c a d b f f ,  
c f a , a , a a f a , b  $\square_{\sqrt{}}$   
d a a f da a a f C a a d a d f  
b c c a . T a a a f c da a  
a f C a a d a d f b c c a .

**A 56** Sa f b a d a<sub>V</sub>, ad a a  
 L R f S c E c a , c a d , c  
 a a d , a a a d c d a f a  
 a d a a f c f f <sub>V</sub> :

(I) E d c a d f b a ac  
 b f C a d fa ;

(II) A <sub>V</sub> d c a d (f f <sub>V</sub>)  
 f C a a a <sub>Va</sub> , c d (b d ) a  
 fa f C a ;

(III) A <sub>V</sub> d c a d (f f <sub>V</sub>)  
 f a d a a d , c d (b  
 d ) a f d b a d , b c d  
 c a a a b d f ad a a a  
 A c f A c a .

**A 57** A c a d , a f d c d a c , a  
 f f a f f <sub>V</sub> c d :

(I) W ac a ac c c <sub>V</sub> , c a ca  
 c a a f f C a , d c ;

(II) W ac a ac c c <sub>V</sub> , c a ca  
 c a 30% ( c ) f f C a  
 c c f a 30% ( c ) f f  
 C a ;

(III) W ac a ac c c <sub>V</sub> , c a d  
 a 30% ( c ) f a d a f C a ;

(IV) W ac a ac c c <sub>V</sub> , c a a  
 d fac c f C a b d .

T ac c c — a a <sub>V</sub> c c d a a  
 c d fa ( a d f a <sub>V</sub> f ) ac C a ,  
 a f <sub>V</sub> d ac a c a c  
 C a .

## C 8 G M

**A 58** T a a b a f a f C a a d  
a c f c a d  $\boxtimes_{V_1}$  acc d a $\boxtimes_{V_1}$

**A 59** A a a c f  $\boxtimes_{V_1}$  f c a d  $\boxtimes_{V_1}$  :

(I) T d c d b a d a d a f  
C a ;

(II) T c a d ac d c a d d c d a a a  
f d c ;

(III) T c a d ac  $\boxtimes_{V_1}$  a a a d  
d c d a a a f ;

(IV) T a a d a f b a d f d c ;

(V) T a a d a f b a d f ;

(VI) T a a d a a a f a c a b d a d f a acc a  
f C a ;

(VII) T a a d a C a ' f d b a a d c  
a ;

(VIII) T c a d c f d c a a f C a ;

(IX) T , d , d , da a f a  
f C a ;

(X) T a c f c a b d ;

(XI) T a , a a f a f  
acc f b C a ;

(XII) T a d A c f A c a ;

(XIII) T a a ad b a d a  
a 3% ( c ) f a f C a ;

(XIV) T c d a d a a a a c b d A c 60;

(XV) T a C a ' c a d a f a a  $\boxtimes_{V_1}$  a  
a a c d 30% f a a f C a ;

(XVI) T a a d a c a f c d ;

(XVII) T a a d a c a ;

(XVIII) T d c d a ☒ C a c a a d  
c c a c a d (I) & (II) f A c 26 f A c f  
A c a .

(XIX) T a a ☒ c a b ad b a d ,  
a a d b a☒, ad a a a d  
A c f A c a ;

(XX) T a a a d L R .

W a f a a☒ a d a a d a a a  
c b d L R , a a a a  
b a d f d c a d a ☒ c c a a a d a .

A 60 T f ☒ a a a b C a a b c d d  
a d a d b a d , a .

(I) A a a d d a f a a f a a a b  
C a a d c d b d a c d f f c f  
a a d d a ;

(II) A a a d d f a a a ☒ a - ab a  
c ;

(III) A a a ☒ a a a d a c f c f  
a a d d a ;

(IV) A a a c d 30% f a a d d a f a d  
c a ca c a d ☒ ☒ c c b c  
a a a ;

(V) A a a c d 50% f a a d d a f a d  
c a ca c a d ☒ ☒ c c b c  
a a a a d ab a c d RMB50 ;

(VI) A a a d d a d , d fac c a d a d  
a .

A 61 T C a a a c ac ☒ a a a  
d c , , a a c a a a f ca a f  
C a ' b ca f a d , a a b a d b  
a d a a a b ☒ a f c a .

A 62 G a a d d d a a a d  
a d a a . G a a b c d b b a d f  
d c . A a a a b c d c a a ☐ af  
d f c d f ca a .

I a f f ☐ c c a c , b a d f d c a c a  
a d a a ☐ ☐ :

(I) W b f d c fa f b d b  
C a La☐ a ☐ - d f b d b A c  
f A c a ;

(II) W acc d f C a a - d f a a  
ca a ;

(III) W a d ( ) d d a d 10% f  
C a ' d a d a d a ca ( )  
☐ f c fa a d a a ;

(IV) W b a d f d c d c a b a d f  
c a a d a a ;

(V) W a a f f d d d c c ;

(VI) I a c c a c a d b a☐, ad a a ,  
d a a a , L R a d A c f A c a .

T f a a b d c f C a  
c f d c f a . A a a b c d c d  
f f a ca a d a d f . I add ,  
C a ☐ d a d a f c c f a c a b  
a d . A a d ☐ a c a a a af a d a  
a b d d a b . W C a c a a b  
a , a a d ☐ a a a f b  
a d c d da a c f d a d a c a .

D. a , C a ☐ a a a a  
f ☐ a a d b a :

(1) W c d f c a d d c ☐  
a a☐ ad a a a d A c f A c a ;

(2) W a f ca f a da a d c a a☐ f a d  
a d;

(3) W c d a d a a☐ f a d a d;

(4) O a a d b C a .

**A 63** A  $\text{f}_k$  c c a a a a b  
b c a 20 b. da b f da f f a  
a d f ;  $\text{f}_k$  a a  $\text{f}_k$  c f a d a a  
a b a 15 b. da b f da f f a  
a d f . A b. da a d a c f a c a  
f a ad da f c H K S c E c a .

T ca c a f ab d d a c d da f b  
a c a d a f c d.

**A 64** N c f a a f  $\text{f}_k$  :

(I) I  $\text{f}_k$  f ;

(II) S c f , da a d f ;

(III) S a a b d c da ;

(IV) P d c c a f a a d a a f a d a  
a f d d a b c d d. W a  
a f f ,  $\text{f}_k$  a a ad  $\text{f}_k$  c  
f C a  $\text{f}_k$  a c a , c a f a ,  
c f a ca a , a a f C a ,  
f d a ac b d d d a a  $\text{f}_k$  c f  
d c ac ( f a ), a d a ( ) a d ff c f c a  
b a d;

(V) C a a d c f a a d f a a f a  
d c , , a a a a d  
a ac a d ff c  $\text{f}_k$  c d a ac  $\text{f}_k$  a  
ca ac a a d fa a d ff f ff c  
f a d f a c a ;

(VI) C a f f a c a b da ;

(VII) C a a c a a a a a d d a d a d a c  
d a a d a d a c  
b a f a d a c d b a a d f  
C a ;

(VIII) S c f a d f  $\text{f}_k$  f a f  
f ;

(IX) T b  $\text{f}_k$  da f a f a d f a d  
f d a d d a d a d ,  
da f a a d da f a c  $\text{f}_k$   
f a a f ac  $\text{f}_k$   
a f C a a d; a d

(X) T a a d b f a d c ac f

A 65 T c f a a b d d a d (☒<sub>√</sub>)  
a d a a ) b a d a d b ca  
c c a ☒<sub>√</sub> C a ' a a d ( c d b d  
a , - a , fa , b ca c a d ☒<sub>√</sub> b f ca c c a ☒<sub>√</sub>  
C a C a ' a a d). T add f c a a  
☒<sub>√</sub> a d ' . F a d f d c a , c f  
a a b d d b d f b ca c .

P b ca c f d c d a a a a b b d  
☒<sub>√</sub> a d a d b c a d Sa C c . O c  
a c a b b d, a d f d c a a b d d  
a c d c f a a .

A 66 W C a c f a d ' a  
a d b a c c a ( ) a a ( ) f ac ☒<sub>√</sub>  
a a d, acc d a c f , - c f  
c f b , a d c c a a da  
a d ad a .

A 67 A a d d a d a d a a a f  
C a a b d a (☒<sub>√</sub>) a a d  
☒<sub>√</sub> ) a / a d a d b a f. T a d a  
c f ☒<sub>√</sub> a a d b a d a d :

(I) T a d ' a a a ;

(II) T a a ;

(III) T c b a ☒<sub>√</sub> f a d a . W  
a , a d a a .

A 68 T a a a b ☒<sub>√</sub> d a d f  
c a d a d ☒<sub>√</sub> , f c a a a ,  
a b d a d a d f a d c a d a d. S c  
a c f b f a b d b .

A 69 T ☒<sub>√</sub> fa f a b d da d c f  
C a c ac a c f d c f a a 24  
a ☒<sub>√</sub> c a d 24 b f c d d  
. W a c c a ( ) a a ( ) ac ☒<sub>√</sub>  
a f C a a d d ☒<sub>√</sub> , c a b f ☒<sub>√</sub> d.

W . c ☒ fa db a a db c a ,  
☒ fa a a a d c a b a d.  
T a d ☒ fa a d a a d c a , ☒  
☒ fa f , b d da C a ' d c ca a  
c f d c f .

W c a a a , a a a a d  
b b a d f d c d c a b d a a d a  
f C a b a f.

If a d a R c d C a H . ( a ), a d a d  
a a a d a a ac b a f a a a  
c a a ; ☒ , ☒ a a a d,  
☒ fa a c f b a d c a f a d b a d  
. T ☒ fa a b db c a d b  
R c d C a H . T a d a a d a d  
c b a f f R c d C a H a f a d ☒  
a a a d f C a .

A 70 A d a a d b b a d f d c f  
C a f a a a d a d ☒ f b  
c f a a , a d c ac f  
b d c d d a . S. c a c a a a , ab c  
f a c , a a f .

A 71 A b a acc da c ☒ f ☒ f  
a a b a d ☒ a d d a , fca ac , ca f ☒  
fa , ca f a d ☒ c ☒ c d, a f  
f a ( ) c f ☒ c , d d a  
☒ c f c d a , fca ac , ca a f a b c d b  
C a b f c c f .

A 72 A d d d c a b a d f d c  
c a a d a a . T b a d f d c a , acc da c  
☒ a ☒ . c

If b a d f d c a c a a d a a , a  
a c 5 da af d c f b a d f d c ad ,  
c a b a c f b a d f f c a ( ) a  
a ( ).

If b a d f d c d a c a a d a a a  
a 10 da f c a, d d a b a d f  
d c ab f a f d d f c a a d a  
a , a d b a d f a c a d d c  
a .F a a c db b a d f , a c a  
f a b b b C a .

A 74 S a d c fa a d a a d ,  
c a a d acc d f c d :

(I) T a d ( ) d d a d a 10% f  
C a , a a ( c ) a a  
a f a a d c b a d f d c  
c a a d a c a a , a d  
c f b c f .T b a d f d c a b a  
c d a c a a d a c a  
a 10 da af c f af ad  
T af a d a f a d ca c a d a da  
a d a .

(II) If b a d f d c a c a d a a d ,  
c a , a c f a d ,  
c a 5 da f d c f b a d f d c .If  
a c a a c , db a d b  
a a d .

(III) If b a d f d c d a c a d a a d ,  
, d 10 da f c f , a d  
d d a d a 10% f a f C a  
a a d b a d f d a a d a  
a d , a d d b d b a d f  
.

(IV) If b a d f a c a d a a d ,  
, a a c f a d , 5 da f  
d c f b a d f .If a c a a  
c , db a d b a a d .If b a d  
f d c f a d ,  
c b d d, a d a b a d f c a d  
d a d , .T a d d d a  
d a 10% f a f a 90 c c da  
ca c a d d b , c d f c  
c a , b , b a a c d f  
c a a b b a d f d c .

W a d c a d d a b ca b a d f  
d c a d b a d f fa c a af a d  
, a ab c d a b b b C a .

A 75 W C a c a a d , b a d f  
d c , b a d f a d a d ( ) d d a d  
a 3% f C a , a a b d C a .

S a d ( ) d d a d a 3% f C a ,  
a a b a ☐ a ( ) c f b a d f  
d c 10 b da b f a a d , c d; c a  
a a c f a a d , a c c f  
a ( ) ☐ ☐ da af c f a d ( ).

U ☐ d d c d a a a , c a a d  
a c f a d , a , add ☐ a  
af a a c c f a d , a .

T ( ) a a / a b c f a d ,  
a /a c a c ☐ A c 76 a b d d a  
a .

A 76 P a f a d , a f ☐  
c d :

(I) T c a c ☐ a ☐, ad a a , A c  
f A c a a d a d a a d f a c  
c a a a a ac ☐ a a d, a d  
a fa ☐ a f a ;

(II) I a a a c a c a d c f c f c d a ;

(III) I a b b d d c ☐ f .

A 77 G a a b c d b b a d f d c a d  
c a a f b a d f d c a d . If c a a f  
b a d f d c ab fa f d , c c a a f b a d f  
d c a d ; f c c a a ab fa f  
d , a a f f d c a c a d c c a d a c a  
c a a f .

If b a d f d c ca fa c a a , b a d  
f a d c a d d c ; f b a d f  
ca fa c a d d a a , a d  
d d a d a 10% f C a , a f a  
90 c c da a b c a d d a a . If  
f a a a d ca c a c a a f , a d  
( c d f) d a a a d a d  
a d .

A 78 S a d ( c d f)  $\otimes_{\mathbb{K}}$  a a a  
a c a b f a . Eac  
a ca .

W a a aff c f a a d d - d a  
b c d d b A a a d a a d ' , b  
a a d d - d a b c d a a . T a a  
a b d c d b c a a .

T C a a f a d , a d c a a b  
c d d f a b f a d b a d a d  
a .

T b a d f d c f C a , d d d c a d a d  
 $\otimes_{\mathbb{K}}$  a a d c d a c c f  
a d b c . W c c f a d , ff c f a  
c a c f c f c a b d c d  $\otimes_{\mathbb{K}}$   
a b c c d , a d a f c b d f a  
 $\otimes_{\mathbb{K}}$  c a acc a a d ad a d . N c d a  
f f d fac c d a a b ff d , a d a d a b  
d c c f a d . T C a a  
a c a d c c . If  
C a c f a d , a b c a d c  
f a ad .

P a a cab a  $\otimes_{\mathbb{K}}$  a d a L R f S c  
E c a a d L R f SSE,  $\otimes_{\mathbb{K}}$  a a a d d ab a  
f a a c a c d f a a a  
a c a , a ca b b a f f c a d c a f  
c c a b c d .

A 79 W b a d f a d d c d c a  
a d ' b d f b a d f d c  $\otimes_{\mathbb{K}}$   
a d a a , a a f a CSRC' b- ff c a d c c a  
 $\otimes_{\mathbb{K}}$  C a ca d .

B f b c a c f a d ' , c  
a d d d a 10% f a .

W c a d c f a d ' a d  
b c a c f a d ' , d b  
a f CSRC b- ff c a d c c a  $\otimes_{\mathbb{K}}$  C a  
ca d .

A 80 W a a d ' c d b b a d f  
b a d , b a d f d c a d c a b a d f d c  
da . T b a d f d c d d f a d da  
f a f a d .

**A 81** V a a a b c d c d b  $\square_{\sqrt{}}$  f a d ,  
f  $\square_{\sqrt{}}$  b b f af b  $\square_{\sqrt{}}$  f a d :

(I) C a a f ;

(II) A a  $\square_{\sqrt{}}$  a d  $\square_{\sqrt{}}$  ;

(III) O a d b a d 10%  
f a a ca , d d a , a

U a d b acc d a cab c  
a a c b d c a  $\square_{\sqrt{}}$  a d a ,  
c a a a c f b  $\square_{\sqrt{}}$  f a d a  $\square_{\sqrt{}}$  c  
a b c d d a c c d d c ,  $\square_{\sqrt{}}$  c f b  
c a f f a a a d a

T C a a d c a ca a d b a  $\square_{\sqrt{}}$  , ad a  
a , a a L R f S c E c a a d  
L R f SSE.

T f b ca b  $\square_{\sqrt{}}$  d a  $\square_{\sqrt{}}$  b

**A 82** If d b d b a c f c a a  
a f , b a b c d c d da ; c f  
d b d b , c a a a d c d f b  
, a d a c d c d . T a  
b d da a da ad

**A 83** R d db C a f A- a . A a  
a a , a a d ( c d f) d  $\square_{\sqrt{}}$   
d ca a a a

**A 84** T fca d da fd c a d a b b d  
a d , a a a f . T da d c d f a  
fd c a d a a f  $\square_{\sqrt{}}$  :

(I) T b a d f d c a d a d ( ) d d a  
3% f C a , a a ca d da ( ) f d c ( ) ;

(II) T b a d f d c , b a d f a d a d ( ) d d  
d a 1% f C a , a a a  
ca d da ( ) f d d d c ( ) ;

(III) T b a d f a d a d ( ) d d  
a 3% f C a , a a ca d da ( ) f ( )  
 $\square_{\sqrt{}}$  /a , a ( ) ;

(IV) T ( ) b a d f a b  
c d f a f a ( ); a d

(V) W a d a d c ( ), d d d c ( )  
( ), a a, d a f a d c a d d a ,  
d c a a d a f c a d d a a b b d b a d f  
d c 10 b. d a b f c a .

T b a d f d c a a a c a c c a b a a d  
b a c f a f c a d d a f d c ( ) a d ( ) a d , a d  
c d f a c a d c c a a c ☒ a a d  
f a c c a a a a a a c ☒  
a f C a a d.

W c f d c ( ) a d ( ) a a d ,  
, c a a b d a c c d a c ☒  
f a a f a c ☒ a a d, f  
A c f A c a a a . U d c a  
, c f d d d c a b c d c d a a f  
a f b f b a d f d c . W c ☒ d c  
, c a a b d. W c a  
d c d c , f d d d c  
a b c d c d a a f a f - d d d c .

C a d c d a a a a a ☒ d c  
a b c d a a a d , a c a a a  
a b f c a d d a f d c , a d a d ,  
a b d a c a d a .

S a a d c a , a d , a  
a a a a ; f a a f a  
, c a a b d a d d d f a ☒ c a  
b d. U a d , a d d c a b a d f  
c a a c a f c a , f c a a b d  
f d a a d , .

A 85 I c a f a a f , ☒ a ☒ f a d a  
, c a a f a b d add a .

A 86 R f a a a b d d d d a  
a d c a .

O d a a b a d b a a f f  
d b a d ( c d f) a a .

S c a a b a d d b a d 2/3 f  
f a d ( c d f) c .

S a d ( c d f) a a d ' a  
f f  $\boxtimes_V$  c f ac a d b d : f , a a  
ab a . S c a a d c a a a d f  
S c C c P a b  $\boxtimes_V$  Ma a d a d H K a f  $\boxtimes_V$   
f b f c a d f a . I c ,  $\boxtimes_V$  f d, b  
ca a b d d a '  $\boxtimes_V$  a f , a d  
a d b c a b c d a ab \_.

T C a a , f a  $\boxtimes_V$  f a d a d f  
a d ' , d c c a d a d a  
a d a d c a ,  $\boxtimes_V$  f d  
f a c a c a a f .

T a a b c d  $\boxtimes_V$  f d , a  
- , d . T f c d d a a d  
ca f f a .

A 87 T f  $\boxtimes_V$  a a b a d b d a a a  
a :

(I) W f b a d f d c a d b a d f ;

(II) P f d b a a d c a f a d b b a d f  
d c ;

(III) A a d a f b f b a d f d c a d  
b f b a d f  $\boxtimes_V$  a a ,  
a a d d f a f;

(IV) A a b d , f a acc , b a a c , f a , a d f a c a  
a f C a ;

(V) Ma a a d b a d b c a a  
a  $\boxtimes_V$  , ad a a , L R f c c a  
 $\boxtimes_V$  a f C a a d A c f A c a .

A 88 T f  $\boxtimes_V$  a a b a d b c a a a  
a :

(I) I c a d c a c a a f C a a d f a  
f a c a ,  $\boxtimes_V$  a a d a c ;

(II) I f b d f C a ;

(III) D , , d , da a f a f C a ;

(IV) R f A c f A c a ;

(V) E a a a d  $\boxtimes$  a d a f c a ;

(VI) W C a b , a a a a a a  
c d 30% f a a d d a a  $\boxtimes$  a ;

(VII) O a a c b d a $\boxtimes$ , ad a a , d a a  
a d f ca c a a a ac  $\boxtimes$   
C a ' a a d A c f A ca a  $\boxtimes$  a a  
a c d d b a d a a a a  
a a a a ac C a a d acc d a b a d  
b a ca .

A 89 W a d ' a c d a a  
a d a a ac , a d a d a a c a ,  
a d b f a d b a b c d  
a b f a d a ; a d a b c a c f f  
a d ' a a b ad f d c  $\boxtimes$  a f f a d  
a d .

F a a f a d a a ac a C a ' a ,  
a d a d a , a a a a , ac b  
a ca f c a ; a d a d a a b  
a ca f c a a a a d a d a  
a a f a ca a a . S c a ca a b b d  
 $\boxtimes$  f a d d ca a f . P a a f a ca a  
a , a a a da a f c a ca a b ad f .

Af c c f a , a a d f d a  
a a d a c a f a d a a ac , a b c  
 $\boxtimes$  a c a a a , a a b a acc da c  $\boxtimes$   
a f A c 7 f A c f A ca . W a d a d  
c a d ca c a , a d  $\boxtimes$  a d a a  
a ca f a a a da a . T a d a d  
a a a a a d .

A 90 T c a a f a b b f d  $\boxtimes$   
a a b a d a . H d c ,  $\boxtimes$  c a b  
f a a d c c , a b a c da a d c d d .

A 91 If c a a a a d b a f a  $\boxtimes$  c a  
b a a , a a ba c d . If c a a  
a c d ba , a a d  $\boxtimes$  b a d  $\boxtimes$   
b c a c d b c a a a , da af d c a a  
f , d a d a ba b c da d c a a a a  
ba c d da .

A 92 If ba a c d a a a , c a b  
c d d

T a da c c d f a d a d f  
a f a b a d c f C a

A 93 R a a a b c d d , f c  
a b d b c a a f a d a d d c T  
a b f a d f a c a b f a f  
a d a

A 94 S a d a a c f f d  
C a ' ff c f f c a . If a a d f a c f  
a f , C a a d c c 7 da  
c f a f a ab c a

A 95 W a a a b a d f c d  
a a b c a d a c a , c a a  
b ad a c f f a

A 96 W a a c f d c a d a  
a , f ff c f a d c a c c  
da f c f a d ' a a a d.

A 97 W a a ca d d d , b a c a f a  
ca a b f a f f ca a , C a a c f c  
c af c c f a

C 9 P C

A 98 H d f d ff c a f a a c a a d

C a a d a a d f f b a a  
a , ad a a d A c f A c a

If a ca a f C a c d a ,  
a d a a b c f d a - a

If a ca a c d a d ff , ac c a f  
a ( c f a ) a b c f d a c d  
- a d - a

A 99

A 100 U d f  $\boxtimes_V$  c c a c , f a c a a d  
a b d d a b a d ab a d:

(I) T c a d c a b f a f c c a , c a  
d c a b f a f a c a a , d b  
a f a f c c a ;

(II) T ff c a c a f a a f a f c c a a f  
a c a ff c a c a f a a f a f a c a  
a f c c a a a a d c a ;

(III) T c a c d c acc d d d d c a d d d a ac d  
a f a d c a ;

(IV) T d c c a c a ac d a f a d c a f a  
c d d d c d b f a a da f  
C a ;

(V) T add, c a c d c a c , , a f  
ac , ac c f C a  
a ac d a f a d c a ;

(VI) T c a c d c c a ad b C a a  
a c a c c a ac d a f a d c a ;

(VII) T c a a  $\boxtimes_V$  c a f a  $\boxtimes_V$  , d b  
a f a f a d c a ;

(VIII) T c a f  $\boxtimes_V$  f a f a d c a  
add a c ;

(IX) T b c b f , c , a f a d c a  
a c a ;

(X) T c a a d f a f a c a ;

(XI) T c c C a c a  $\boxtimes_V$  a a c a a d f d ff  
c a b a ab d a d c ;

(XII) T a ab a c a .

A 101 T c a a d aff c d,  $\mathbb{R}_k$   $\mathbb{R}_k$  d  
a a a , a b d a a c a

**A 105** A a f d f c a f a , d f d c  
a a d a - d f a a d d a a d f d f f c a .

S c a c d f c a a d a a f ☒  
c c a c :

(I) W a a b c a a a a (a c d  
c d d a a a d b a a d c d  
) , C a c , d b d c a a d  
a - d f a , a c c a , a b f  
a c d 20% f a c f d a d a d d c  
a a d a - d f a 12 ;

(II) W C a ' a d c a a d a - d f  
a a f a b c a d ☒ 15 f  
d a f a a f c a a d S a C c ;

(III) S a f C a a a d d b d , a f a a f  
c a a d S a C c , a c d a  
d a .

## C 10 B D

**A 106** T C a a a b a b a d f d c , ☒ c c  
d c , c d d d d c , a d a a c a a a d  
c c a a .

T b f b a d f d c a c ☒ a a d d  
d c . I d d d c a a a - d f b a d f d c a d  
a a a a a c c f a ( a d a c c a  
a f c a ) . T d d d c a f d d d a d  
a b d c f a a d a d d f a c c d  
f c f C a , a a d , d f a c c a d a d  
d d a . T d d d c a f a f f d , c  
C a ' , a d a c a a a a a ☒ a d  
f b c a d a d c d .

T B a d f C a a a b a d c , a d a b c a  
c c a a c c , a c , a  
& a a c , c . E a c c a c a b a c c a b b a d  
f d c a d f d c b d b A c f A c a a d  
b a d f d c . A a f a d c a b b d b a d  
f d c f c d a a d a a . A b f c a c a b  
d c , a ☒ c , a f b f a d c , a  
c , a & a a c a b d d d c ☒  
a c f c c . T c f a d c a  
b a a c c f a .

A 107 D c a b c da a f a f a ,  
 ♪ c ♪ ab - c . T - c f d d d c a  
 c d a .

T f ff c f a d c a c c f da f a  
 f c f b a d f d c . If f ff c f a d c  
 b - c ad , d c a c f  
 d acc da c ♪ a ♪ , ad a , d a a a d  
 f A c f A ca a ♪ d c c da da ff c .

P a f , ad c a b d ♪ a f  
 ff c b a a . S b c a a ♪ a dad a a  
 a d ♪ d c a a ca ♪ c a b ad d a c ac ,  
 a d ' a a b d a a d c b f  
 a f f ff c .

If a d c fa a d f b a d f d c a d fa  
 a a d c a d b a f f ♪ c c , a b  
 d d b ab f d , a d b a d f d c a  
 a f ac .

A d c a f f c . W a d c d  
 , a b a ♪ a b a d f d c . T d d  
 d c a a a a a ca a f  
 C a ' a d a d c d a d c . W a f a  
 d c b f d c fa b ♪ b c b d  
 a f C a La ♪ ♪ - d f b a c b d  
 A c f A ca , d d d c fa b ♪ b a c b d  
 A c f A ca , a f c d c a c ff c  
 f aca c b cc d d c . W b a d f d c fa  
 c a a f f - c ♪ ♪ af a  
 f a d d d c , c d d d c a a f b a  
 f d .

W a f a a ♪ a d a a d a f  
 ac ♪ C a d , a d c a d f aca aca c a a  
 add b a d f d c d d ff c f ♪ a a  
 a f C a a d d b b f - c a .

E c d af a d c c a c , a f a d c a b c  
 ff c ♪ f a d b a d f d c .

T c a a a b c d a d d b a a f fa d c ,  
 a a f a a d b f - c .

A 108 T d c a b a a a d d d a f  
 C a .

**A 109** T b a d f d c a b acc . ab a a d  
c f  $\boxtimes_V$  f c a d  $\boxtimes_V$  :

(I) T b b f c a a d  $\boxtimes_V$   
a ;

(II) T f a ;

(III) T C a ' b a a d a ;

(IV) T a C a ' a a f a c a b d a d f a acc . a ;

(V) T a C a ' f d b a a d c a ;

(VI) T f a a f c a d c f C a ' d  
ca a , a d a f f C a ' b d ;

(VII) T a a f C a ' , d a d d . ;

(VIII) T d c d a a a . c . f C a ;

(IX) T a d C a ' a a a ; a d  
C a ' d a a a ( ), c f f a c a f f c a d c a  
b a d f d c a d d . a ;

(X) T d ' a a ,  $\boxtimes_V$  fa a d  $\boxtimes_V$  a d a d a ;

(XI) T a a ac f d c a d a d  
a f C a '  $\boxtimes_V$  -  $\boxtimes_V$  d . b d a ;  
a , ac a d c da f a d a ,  
d c (ca d da ) a d a d a (ca d da )  
f C a ' . b d a a d a c a . b d a ;

(XII) T  $\boxtimes_V$  . ba c a a f C a ;

(XIII) T f a a f a a d A c f A c a ;

(XIV) T d c d d c a d a b a c . c . f C a ;

(XV) T d c d c da , d a d . c . f C a '  
 $\boxtimes_V$  -  $\boxtimes_V$  d . b d a a d c d . b d a ;

(XVI) T d c d . c . f c a c f b a d f d c  
a d c . a d d - -c a f c ;

(XVII) T ca d da f d d d c a a d  
a a d ac f d d d c ;

(XVIII) T a ,  $\boxtimes_{\forall}$  d a f acc . f  
a ;

(XIX) T c  $\boxtimes_{\forall}$  f a a a a d a  $\boxtimes_{\forall}$  ;

(XX) T a a a c f d c . f C a ' f a ;

(XXI) T f a c a ;

(XXII) T b a d f d c a c d c - a a f  
( c d ca a c a a d . a f f  
) , f a c , , f a c a d a  
a a a b d d b f a  
acc da c  $\boxtimes_{\forall}$  a  $\boxtimes_{\forall}$  a d . a a d A c f A c a ;

(XXIII) T d a f C a a a  $\boxtimes_{\forall}$  c  
a b d d a a acc da c  $\boxtimes_{\forall}$  C a  
La  $\boxtimes_{\forall}$  a d A c f A c a ;

(XXIV) T d C a ' a a , c d  
a , f a c a c , a a d a d a c , a d  
f;

(XXV) O  $\boxtimes_{\forall}$  a c b d A c f A c a a da a  
b a ;

(XXVI) O a c f d b a  $\boxtimes_{\forall}$  , ad a . a , d a a  
a d . a f L R A c f A c a .

T b a d f d c a c f d c d a a a  
b a a f a a f f d c a f c f d (VI), (VII)  
a d (XIII), a d a f L R , f  $\boxtimes_{\forall}$  c a a f a  $\boxtimes_{\forall}$  -  
d f d c d.

If d d c  $\boxtimes_{\forall}$  a d a a , b a d  
f d c a b a a a d ' f  
a a . T b a d f d c a a a f a a f c  
a  $\boxtimes_{\forall}$  b a d c d f d d c .

A 110 T b a d f d c a a a a -  
a da d a d d b d acc a C a ' f a c a  
a .

A 111 T b a d f d c a f a R f P c d f  
B a d d a b a d f d c ca a da  
a f a d ,  $\boxtimes_{\forall}$  ff c c a d ca c f c  
d c - a .

A 112 T d d d c a a d f b a d f  
d c a a ; d a d C a ' d c a d b a ;  
ac a a d acc f a a d d a a d d a d c ; b  
a a f a d d d c C a ' a a a  
a d a f a c f d .

A 113 T C a a ab  $\boxtimes_V$  f d d d c .  
T c a b a d f d c a ac c a  $\boxtimes_V$  d d d c  
f d . T C a d a a a d d d c a  
a f f a ; d a a a a d f a  
d d d c a a ; a C a ' b a  
d d d c a d a - c f  $\boxtimes_V$  c a .

A 114 T d d d c a a c f  $\boxtimes_V$  c a  
 $\boxtimes_V$  add f c a d  $\boxtimes_V$  a c b d C a La $\boxtimes_V$   
a a $\boxtimes_V$ , ad a a a d a d A c f A c a .

(I) A a a d a a ac (a d d acc da c  $\boxtimes_V$   
ff c d b c c a  $\boxtimes_V$  C a ' a a  
d f ) b c a a b b a d f d c a  
a b b d b a d f d c f d c a f a a  
b d d d c . W b a d f d c a a  
C a ' a d a a ac , c a  
f c a b d d d c . P a d  
b d d d c , a d a a b a d  
d d f a c a c a a b a f d ;

(II) T a d a f acc f b a d f  
d c ;

(III) T b a a ca b a d f d c f d a a d a  
a ;

(IV) T c f f b a d f d c ;

(V) T d d a a a d a d c a ;

(VI) T c f a d a b c a c  
a d ' ;

W d d d c c f c a d  $\boxtimes_V$  a c b d  
a a a (I) a d (II) f A c , a a b b d b a d f d c  
f d c c b a a f f d d d c ; f  
a a a (III), (IV) a d (VI), a b a d b a a f f d d  
d c ; a d f a a a (V), a b a d b a d d d c . A f  
a f c a f a d f c a d  $\boxtimes_V$  b d d d c a  
b b b C a . If ab d a a f d f c a d  
 $\boxtimes_V$  a ab b c d, C a a d c f a c c d.

S a a . a , a d , a c a b f d d b a d  
f d c a d d d d c a a a a f f b f  
c c .

**A 115** I add f c a d ☒ a d ab ,  
d d d c a d d b a d f d c  
a d ' ☒ c a b ☒

(I) T a , a d c ;

(II) T a d a a ;

(III) T d a f C a ' d c a d  
a a ;

(IV) W a a (a d d acc da c ☒ ff c  
d b c c a ☒ C a ' a a d f  
) f ☒ a a ac b ☒  
C a ' a d , d fac c a d a  
a a b a d b b a d f d c a d '  
, a d ☒ ff c a a b a b C a  
c d b ;

(V) Ma a d c f a d a d d  
b d d d c ;

T d d d c a f f ☒ c af a d  
☒ :

(1) C ;

(2) R a a d a f;

(3) Ob c a d a f;

(4) I ab a c a d a f.

If f a b d c d, C a a a c  
f d d d c . W c ca b b a d, C a  
a d c f ac d d d c c .

**A 116** T b a d f d c a d f a d f a  
f d a ☒ a a b a f f c d a f  
f d a b d d f a d a d d f d a f f d a  
☒ f b f c a d f f d a c d 33% f  
a f f d a a ☒ a a d d b a a c c d d a d  
a d b a .

D a f f d a d c d a f f c a a  
 , b d c d a a d d b d f f d a .

T ff c f C a ' d a f f d a a b aff c d  
 b a b ac f f P a a a l .

A 117 T c a a f b a d f d c a c f  $\boxtimes_v$   
 f c a d  $\boxtimes_v$  :

(I) T d a a d c a d d f  
 b a d f d c ;

(II) T a a f f b a d f d c ;

(III) T a c f c a d b C a ;

(IV) T c f c a d  $\boxtimes_v$  c f d b b a d f d c .

T c c a a a a c a a '  $\boxtimes_v$  , f c a a ab  
 fa f d , c c a a a f d b a f, f  
 c c a a ab fa f d , c d a b f d b a  
 d c  $\boxtimes_v$  a d a d c d b a a f f d c .

A 118 R a f b a d f d c a b d a a f .  
 a a a a a a a a d a b c d b c a a .  
 N c f a f b a d f d c a b a a 14 da  
 ad a c . I c d a ac a f b a d f d c a a a  
 a f d c  $\boxtimes_v$  a d a d a d , a c a  
 ac c c c a d .

A a d a f b a d f d c a b d  $\boxtimes_v$  f da af  
 c f a , f :

(I) P d b a d a 10% f ;

(II) J d b a - d f d c ;

(III) D d c a b c a a f b a d f d c ;

(IV) J d b a  $\boxtimes_v$  d d d c ;

(V) P d b b a d f . ;

(VI) P d b a a a .

A a ab c a b  $\boxtimes_v$  b a d f d c c  
 f b a d f d c .

**A 119** T b a d f d c a d c f a a d a  
b :

N c f a f b a d f d c a b a a 14 da  
ad a c a d a f a a d a a b a a f da ad a c  
a d c , a d a a a . T ff c f b a d f d c  
b f a c f  $\boxtimes_V$  c f b a  $\boxtimes_V$  a f ff c  
a d c , a d a a a b a d, a, fa, a d .  
A c a b a d a b c f db a d c d  
c d a b .

W a a d a f b a d f d c a b c da  
a b c , c f a b b b ba  
a a a , b c a a a a fa .

**A 120** U  $\boxtimes_V$  a d b L R A c f  
A c a , f b a d f d c a b d f a a f f  
d c ( c d a a d c a d b a f f ) a .

Eac d c a a . U  $\boxtimes_V$  d d A c f  
A c a , a f b a d f d c b a d b a a f  
d c f C a .

W a a f ca b f a d a a a , c a a  
f b a d f d c a a aca .

**A 121** D c a a d f b a d f d c . I  
a a d c ab a da f a a , a a a  
d c b a  $\boxtimes_V$   $\boxtimes_V$  fa a d b a f . T  $\boxtimes_V$  f  
a a c f a a .

T d c a d a a c  $\boxtimes_V$  c f  
a a . W a d c a a f b a d f d c a d  
fa a a ac b a f, a d d c a b d d a  
 $\boxtimes_V$  a .

**A 122** U d c a c c a c c f d a  $\boxtimes_V$  a d  
a a d c f f  $\boxtimes_V$  a , a d c a a  
f b a d f d c  $\boxtimes_V$  c a a c ac, a ac a a a  
a a  $\boxtimes_V$  c a c a (a d f d L R  
f S c E c a )  $\boxtimes_V$  a a a ; a d a b c d d f d  
 $\boxtimes_V$  a f :

(I) F d c c a c a (a d f d L R f  
S c E c a ) d C a a f b da  
D c c a c a , d c a b a d  
f C a a f b da f b f ,  
fa a d a a f c d c  
c a c a ;

(II) F C a a f . b d a d a a d  
 . a a f d a c f d b b a ; d c  
 c a c a d a a acc d a a . a c  
 d . a a  $\square_{\sqrt{}}$  a a , a a . d a a f . c d b  
 b a ( $\square_{\sqrt{}}$  a );

(III) F a a d a f ff ad b C a f . b c  
 c . f a , b d c . f C a  
 c a ( a d a d ab d b C a C a a  
 ), d c c a c a a  $\square_{\sqrt{}}$  a a d  
 b a c a . d  $\square_{\sqrt{}}$  . b- d  $\square_{\sqrt{}}$  f ff ;

(IV) A a a a a d b f f C a  
 a f . b d a , c . d :

(1) Ad , a f a c a  
 a a  $\square_{\sqrt{}}$  a d c a , f  $\square_{\sqrt{}}$  c a d c c  
 a c a ca b f ;

(2) Ad , a f a , a ,  
 a d d a d ab b f a a d d c , c  
 a c a a d f C a a f . b d a a d  
 a d c ( c a c a ) a d c c d  
 $\square_{\sqrt{}}$  a f d a a d a c a b f ;

(V) a c ac a a  $\square_{\sqrt{}}$  c d c c a c a ( ) /  
 a d a a a d f a d b .  
 c . f C a b f / a  
 d b . c . f C a .

If a d c a ab . c a , a a b  
 . b d a f .

A 123 T d c a c d d a f b a d f  
 d c a b c d d a ,  $\square_{\sqrt{}}$  c a b d b a d d c  
 a d c d . T d c a b b f a d a f  
 b a d f d c . A d c  $\square_{\sqrt{}}$  f a  $\square_{\sqrt{}}$  c b ac f  
 a a  $\square_{\sqrt{}}$  , ad a a A c f A c a , b ca  
 . C a a b ab f c a . A d c  $\square_{\sqrt{}}$  a b  
 d a a dd a d c c d d  
 . f ca b f ab .

**C<sub>1</sub> 11 B D**

**A 124** T C a a a a c a b a d f d c f d c ,  
 $\text{f}_V$  a c f C a a d a b acc . ab C a a d  
 b a d f d c .

**A 125** T c a C a ' b a d f d c a b a a a  
 $\text{f}_V$  a f a  $\text{f}_V$  d a d c , a d a b a d  
 b b a d f d c . T a d f c a a b :

(I) T a C a a c a a d c a d c d ;

(II) T  $\text{f}_V$  a a a d b b C a f  
 a d d c a d b a a ;

(III) T a a d ' f C a a a d  
 a d a  $\text{f}_V$  a f acc a d c a d  
 c d f C a ca b a a d .

**A 126** A d c a a f C a a  
 c c a c a b a d f d c . A acc a f acc  
 f a d b C a a ac ca ac f c a b a d f  
 d c .

I a d c a ac ca ac f c a b a d f  
 d c ,  $\text{f}_V$  a ac b a d b d c a d c a b a d  
 f d c a a , c d c  $\text{f}_V$  a ac ca ac f c a  
 b a d f d c a a c ac b ca ac .

**C<sub>1</sub> 12 G M C**

**A 127** T C a a a a a a ,  $\text{f}_V$  a b a d  
 b d c a d a d a d d d b b a d f d c .

**A 128** T a a a f C a a b acc . ab b a d  
 f d c a d c f  $\text{f}_V$  f c a d  $\text{f}_V$  :

(I) T a a d c a d b a f C a a d a a  
 f a f f b a d f d c ;

(II) T a a f a f C a ' a a b a a d  
 a ;

(III) T f a a f ab f C a ' a  
 a a a ;

(IV) T f a a f f C a ' b a c ;

(V) T f . a f da a a a f C a ;

(VI) T f . a C a ' c f c . a d . a ;

(VII) T a d d . a a a ( ), c f f a c a  
ff c a d a a f C a ;

(VIII) T a d c a a d d d b  
b a d f d c ;

(IX) T f . a f '  $\boxtimes_{\forall}$  ,  $\boxtimes_{\forall}$  fa a d  $\boxtimes_{\forall}$  a d a d d  
c . a d d a ;

(X) T f c f a d a f b a d f d c ;

(XI) T c f c a d  $\boxtimes_{\forall}$  c f d A c f A c a  
a d b b a d f d c .

A 129 T a a a a b a f b a d f  
d c , a a  $\boxtimes_{\forall}$  a d c a a b a f  
b a d f d c a d a a c c a d a  
d c ; b a a f b a d f d c .

A 130 I c f c a d  $\boxtimes_{\forall}$  , a a a f  
C a a f f b a f a d d c acc da c  $\boxtimes_{\forall}$   
a  $\boxtimes_{\forall}$  , ad a a a d A c f A c a a d a c a  
ad b a d a d b a d f d c ac b d  
c f a a .

### C 13 B

A 131 T C a a a b a d f .

A 132 T b a d f . a c f b , c d a  
c a a . T f f f c f a a b a , a d b f c .

T c a a a b a d d b f a  $\boxtimes_{\forall}$  - d f  
b f b a d f .

A 133 T b f b a d f . a c a d  
a a d  $\boxtimes_{\forall}$  a . T a d a a b  
c d a d d b a d ' ; a d a a  
b c d a d d b f C a d c a c a .

A 134 A d c , a a a , c a b a d f d c ,  
c f f a c a f f c a d a a a  
c c .

R . a f b a d f . a b d a a c  
 , a d a b c d a d d d b c a a f b a d f .  
 A . a a a d a f b a d f .  
 b d . If c a a f b a d f . fa ab f a d  
 c f c a d  $\boxtimes_V$  , a f b a d f . a b c d  
 a d d d b a . a d b a a f f a .

A 135 b a d f . a b acc . ab a  
 a d a c f  $\boxtimes_V$   $\boxtimes_V$  acc d a  $\boxtimes_V$  :

(I) T  $\boxtimes_V$  f a c a a f C a ;

(II) T f a c f d c , a a a a d  
 a a f d C a , a d d a f d c  
 a d a a  $\boxtimes_V$  a a d a  $\boxtimes_V$  , ad a a ,  
 A c f A c a f a ;

(III) T d a d d f C a ' d c , a a a a d  
 a a d ac b d d a f C a ' ;

(IV) T a f a c a f a . c a f a c a , b . a d(II)

II)

**A 136 T** c d f b a d f : ac  
a a f b a d b b a d f d  
f  $\boxtimes_V$  .

T c d a : T f ac f a  
a b f —, a a — ab a — T a d a a c  
a a d f c c ad a c c f  $\boxtimes_V$  ad, c a a  
f a c c a a , a d fa f  $\boxtimes_V$  c  
a b d d a ab a d f , a  $\boxtimes_V$  a  $\boxtimes_V$   
ca a a b d d a ab a d f .

T f b a d f a b a d b f  $\boxtimes_V$  - d  
f a b f b a d f .

**A 137 T** b a d f a a b c d c d a  
b c d d f , a d a d a d c d  
a f .

**A 138 A** a ab f c d f a f c f a a  
a  $\boxtimes_V$  , d acc a ac c a d b b a d f .  
c f f c a d  $\boxtimes_V$  a b b b C a .

**A 139 S** a f f d acc da c  
 $\boxtimes_V$  a  $\boxtimes_V$  , ad a a a d A c f A c a .

**C 14 Q D D , G**  
**M O M C**

**A 140 A** a a a d c , a a a a d  
a a f C a f a f f  $\boxtimes_V$  c c a c a :

(I) a  $\boxtimes_V$  a  $\boxtimes_V$  c d a ca ac ;

(II) a  $\boxtimes_V$  a b f d f c d f c , b b ,  
f f , a a f ab a c a  
c c d  $\boxtimes_V$  a a f 5 a a a d c c  
 $\boxtimes_V$  d; a  $\boxtimes_V$  a b d d f ca , ac  
ca  $\boxtimes_V$  a 5 a a a d c c  $\boxtimes_V$  d;

(III) a  $\boxtimes_V$  a f d c , fac a a a a a f  
a c a  $\boxtimes_V$  c a b d da  
b ca f a a a d a ab f c f c  
c a ,  $\boxtimes_V$  a 3 a a a d c da f  
c f c a d da f c a ;

(IV) a  $\text{ad}$  b.  $\text{c c}$  d d. a a f a  $\text{ad}$   $\text{c c}$  d  
a ab ,  $\text{ad}$  a 3 a a a d c da f  
ca f b. c c ;

(V) a  $\text{ad}$  a a a a a f d b d a d a d ;

(VI) a  $\text{ad}$  d c a a b d c a a a f  
a f c a  $\text{ad}$  c c c d d;

(VII) a  $\text{ad}$  a a a ;

(VIII) a c c d f c a f f a c  
a b a a a , a d c c c  
a f d a a ac d f a d d ,  $\text{ad}$  a 5 a  
a a d c da f c c ;

(IX) c c a c a c b d a  $\text{ad}$  , ad a a  
d a a .

A 141 T d d d c a c  $\text{ad}$  f  $\text{ad}$  ba c  
c d :

(I) Q a f ca a a d c f a d c a a a d b a  $\text{ad}$  ,  
ad a a a d a a ;

(II) I d d c a d;

(III) F da a  $\text{ad}$  d a f a d c a a  $\text{ad}$  a a  
f a a  $\text{ad}$  , ad a a , a d a ;

(IV) M a f - a '  $\text{ad}$  c a  $\text{ad}$  c c f d  
d d c a f a f d f a c a a d d d c ;

(V) R a f d d d c a c b d b L  
R f S c E c a a d L R f SSE;

(VI) O c d a c b d b A c f A c a .

T d d c f a d d d c a a f  $\text{ad}$  a  
a ff c f d d d c , c d :

(I) A  $\text{ad}$  d a C a aff a d , a d  
d c a a d a a c a a  $\text{ad}$  (d c a  
f , fa , a d c d c.; a c a a  
f b , fa - - a  $\text{ad}$  , - - a  $\text{ad}$  da - - a  $\text{ad}$   
- - a  $\text{ad}$  , f b , a d ' b a d  
c.);

(II) A d c d c d a 1% f a d a f  
C a a a a d a 10 a a d  
f C a , c a d ' d c a ;

(III) A d c d c d a ac a  $\boxtimes_V$  c d  
a 5% f a d a f C a fa  $\boxtimes_V$  c a  
a f 5 a a d f C a , c ' d c  
a ;

(IV) A a  $\boxtimes_V$  a d c c a c d ab a ;

(V) A  $\boxtimes_V$  d f a c a , a c c f C a  
b d a ;

(VI) A  $\boxtimes_V$  a d d d c f d c a ;

(VII) A  $\boxtimes_V$  ca ac a d d d c acc d c  
a a d S a C c .

A 142 T a d fa ac fad c , a a a  
a a b a f f C a f ab afd d a aff c d b a  
c a c a , c a fca f.

A 143 I c  $\boxtimes_V$  c f d b C a , d c ,  
a a a a d a a f C a a f f  
f  $\boxtimes_V$  b a ac a d add b a d a  $\boxtimes_V$  ,  
ad a a , L R f S c E c a L R  
f SSE  $\boxtimes_V$  c a f C a a d:

(I) N C a a b d b c c f d  
b c ;

(II) T c ac b f C a ;

(III) N f C a a f , c d (b  
d ) fa ab C a ;

(IV) N f a a d a a , c d (b  
d ) f d b a d , b c d c a  
a a b d f ad a a a  
A c f A c a .

A 144 I c f f b a , d c , ,  
a a a a d a a f C a a d ac  
 $\boxtimes_V$  d ca , d c a d a a a ab d d d a  
c c a c .

**A 145** I f f d , d c , , a a a a d  
a a f C a a b c f a d a  
ac a  $\boxtimes_{\mathbb{N}}$   $\boxtimes_{\mathbb{N}}$  a c f c  $\boxtimes_{\mathbb{N}}$  b a .  
T c c d (b d ) f  $\boxtimes_{\mathbb{N}}$  b a :

(I) T c ac b f C a ;

(II) T c  $\boxtimes_{\mathbb{N}}$   $\boxtimes_{\mathbb{N}}$  f f c a d ac b d  
c  $\boxtimes_{\mathbb{N}}$  ;

(III) T c a d c d a d a  $\boxtimes_{\mathbb{N}}$   
b a a d b a d, a a d b a $\boxtimes_{\mathbb{N}}$ , ad a  
a L R  $\boxtimes_{\mathbb{N}}$  f d c f a d  
a a a , d a c f d c ;

(IV) T a a d f a c a a a d a d f d ff  
c a fa ;

(V) N c c d a c ac , c d c a a ac a a a a  
 $\boxtimes_{\mathbb{N}}$  C a a d a c f d A c f A c a L  
R a a  $\boxtimes_{\mathbb{N}}$   $\boxtimes_{\mathbb{N}}$  f d c f a d  
a a a ;

(VI) N a a b f C a a f  
 $\boxtimes_{\mathbb{N}}$  f d c f a d a a a ;

(VII) N  $\boxtimes_{\mathbb{N}}$  a d  $\boxtimes_{\mathbb{N}}$  ac 25 Td $\boxtimes_{\mathbb{N}}$  ac ) c5 ac .

(XII) N d c a c f d a f a a d C a ac db  
d f ff c  $\boxtimes_{\forall}$  f d c f a d  
a a a ; ad f a a f f  
C a ;  $\boxtimes_{\forall}$  , a d c c f a ac  
a f  $\boxtimes_{\forall}$  c c a c :

1. R d b a  $\boxtimes_{\forall}$

2. P b c  $\boxtimes_{\forall}$  a a ;

3. T f a d c , , a a a  
a d a a .

Ga d d b a d c , a a a , c a a a a d  
a a a f A c a b b C a ; a  
c a d f C a f ca db c a .

A 146 D c , , a a a a d a a f  
C a a ca f  $\boxtimes_{\forall}$  ( c c d \_ )  
d a a d c , , a a a a d a a  
b d d :

(I) S c d f d c , , a a a a d  
a a f C a ;

(II) T f d c , , a a a a d a a  
f C a (I) ;

(III) Pa f d c , , a a a a d a a  
f C a (I) a d (II) ;

(IV) C a  $\boxtimes_{\forall}$  c a d c , , a a a a d  
a a f C a , a  $\boxtimes_{\forall}$  a (I),  
(II) a d (III) a d c , , a a a a d  
a a f C a a d fac c ;

(V) D c , , a a a a d a a f  
c a a (IV) .

A 147 T b a f d c , , a a a a d  
a a f C a a c a d  $\boxtimes_{\forall}$  f  
f ff c , a d c f d a b a C a c f ad c  
a c af f f ff c . O b a a c f c  
d a c f fa a d d a f  $\boxtimes_{\forall}$  c a  
a db  $\boxtimes_{\forall}$  a a d ac c c d a d c f c c c a c d  
 $\boxtimes_{\forall}$  c a b  $\boxtimes_{\forall}$  C a a d  $\boxtimes_{\forall}$  a d.

**A 148** T ab fd c , , a a a a d  
a a f C a f b ac a b a a b a d b  
f dc f a d a a a , a f c c a c c f d  
A c 56 f A c f A c a .

**A 149** Ifd c , , a a a a d a a  
f C a a a d c d c a a a c ac, a ac  
a a a ad c c d d a d b C a ( c f a  
c ac  $\boxtimes_V$  C a ), a d c a a d f a d  
b ad fd c a a b ad  $\boxtimes_V$  a a a  
b c a a b b ad fd c a c c a c .

Ad c a a f b ad fd c  $\boxtimes_V$  c a  
c ac, a ac a a a a  $\boxtimes_V$   
a c a (a d f d L R f S c E c a ) a a a a ;  
a d a b c d d f .

U d c , , a a a a d a a  
f C a a a a a d c d b ad fd c a  
af ad a a a , a d ad a ac a da f b ad  
fd c a  $\boxtimes_V$  c a c d d a d d , C a  
a a ca c a d c ac, a ac a a , c a a a  
ab a f d a  $\boxtimes_V$  d a c f b ac fd b a  
d c , , a a a d a a .

If c c d a c a f d c , , a a a  
a d a a f C a a a a c ac,  
a ac a a , a d d c , , a a a a d  
a a a a b d da a .

**A 150** If, b f C a c c d a c ac, a ac  
a a f f , d c , , a a a a d  
a a f C a a f d b ad fd c  $\boxtimes_V$  a  $\boxtimes_V$   
a c ac, a ac a a c c d d b C a  
f b ca f a c , a b d da a  
c d d c a c f d c d a a a f c a  
c f d c .

**A 151** T C a a a a a f f d c , ,  
a a a a d a a .

**A 152** T C a a d c d c d a a  
a a d c , , a a a a d a a f  
C a a c a , c c d f af ad .

T c d a a a d a f  $\boxtimes_V$  c c a c :

(I) T C a d a a a f b da ;

(II) T C a , acc da c  $\boxtimes$  a c ac a d a  
a , d a , a a a d c ,  
, a a a a d a a f C a  
a a a c df C a f f f  
d f C a ;

(III) If a b c f C a c d f a a d  
a a a , C a a d a a d a a a  
d c , , a a a a d a a a d  
c c d , b c d f d a a a a  
b a c c a c d .

A 153 If C a d a a f c d a c ,  
c f a a a a d a C a a d f  
c d f a .

A 154 A a a a d d b C a a f P a a a  
1 f A c 151 a b f c ab c f  $\boxtimes$  c c a c :

(I) T d d  $\boxtimes$  a a d d a c c d f  
d c , , a a a a d a a f  
C a a c a ;

(II) T c a a d d b C a a b d b d a  $\boxtimes$  f  
a b a f d c a .

A 155 T a a a f d c d a c f C a  
c d ac f a a d a b d  
a b f f b a .

A 156 If d c , , a a a a a  
fa f f b a C a , C a a a a  
f  $\boxtimes$  ac add a d d a a d a a  $\boxtimes$   
a d ad a a :

(I) R a d c , , a a a  
a a c a C a f a f c  
f d ;

(II) Ca c c ac a ac c c d d b  $\boxtimes$  C a a d  
a d c , , a a a a a ,  
b  $\boxtimes$  C a a da d a ( f d a  $\boxtimes$  d  
 $\boxtimes$  a d c , , a a a a a  
C a a b ac d b a C a );

(III) R a d c , , a a a  
a a d a d d a a f b ac f b a ;

(IV) R c , c d (b d ) c , c d b  
a d c , a a a a a  
 $\boxtimes$  c d a b c d b C a ;

(V) R a d c , a a a  
a a d a b a d f  $\boxtimes$  c  
d a b a d C a .

A 157 T C a a c c d  $\boxtimes$  c ac  $\boxtimes$  d c a d  
a a , b c a a a a a .  
T af a d a c d :

(I) R a a d c , a a f C a ;

(II) R a a d c , a a f b d a  
f C a ;

(III) R a f d c c c  $\boxtimes$  a a  
f C a a d b d a ;

(IV) C a f a d d c f f f c f .

Sa a a af a d c ac , d c a  
a ac a a C a f a d c f af a d  
a .

T ab d  $\boxtimes$  c ac a c a a f  $\boxtimes$  a :

(I) D c , a a a d a C a  
b C a La  $\boxtimes$  S c a P , A c f A c a , a d  
C d Ta a d M a d C d S a R c a a d  
f H K S c E c a , a d a a C a  
d d a a d A c f A c a a d a  
a d c ac a d a d c , c  
a b a f d;

(II) D c , a a a d a C a  
f f d b a f a d a c f d A c  
f A c a ; a d

(III) A b a c a c f d C a 21 f A c f A c a .

**A 158** T C a a c f c ac c c. d d  $\boxtimes_V$  d c  
a a a f C a b a ,  
d c f C a a c a  
a f f ff c f , b c a da a .  
T af a d a f C a c. d a f f  $\boxtimes_V$  :

(I) A ff ad b a a a d ;

(II) A ff ad b a  $\boxtimes_V$  a f ca ff b c  
a c a d f C a . T d f f a c  
a d a a a A c 57 f A c f A c a .

A c db a d c a f A c  
a b  $\boxtimes_V$  acc ad ff a d a , a d add c  
a b a f d b. a d ,  $\boxtimes_V$  c  
a b d d c d f a d .

**C 15 F A , P D .**

**A 159** T C a a f a f a c a acc .  
acc da c  $\boxtimes_V$  a a  $\boxtimes_V$  , ad a a a d PRC acc . a da d  
f a d b c f a c a a f S a C . c .

**A 160** T f ca a f C a G a ca da a , b  
1 Ja . a a d d 31 D c b f ac a .

T C a a . R b a c d c c a d acc . a  
b a d C .

T C a a a f a c a a d f ac f ca a ,  $\boxtimes_V$  c  
a b a d d acc d a  $\boxtimes_V$  ,

**A 161** T b a d f d c f C a a , a ac a . a a  
, b a d f a c a a d b C a  
acc da c  $\boxtimes_V$  a a  $\boxtimes_V$  , ad a a , a d c . d  
b ca a d c a .

**A 162** T f a c a f C a a b ad a a ab f  
a d , c a C a 20 da b f c f a . a a  
. E a d f C a a a acc af a d  
f a c a .

T C a a , a a 21 da b f c f a . a a ,  
db ad a a d f a - d f a af ad ,  
c. d d c , a d ba a c ( c. d ac d c . db  
a  $\boxtimes_V$  a d . a b a ac d ba a c ) a d c a c  
a d d . a ; a d add f add a b c d d  
a d , .

A 163 T f a c a a f C a a b a d acc da c  
 PRC acc . a da d a d . a a a a acc .  
 a da d acc . a da d f a ac . If a a a  
 d ff c b f a c a a a d d acc . a da d ,  
 c d ff c a b a d f a c a a . T C a a  
 d b af - a f f a f ca a ba d a a .  
 af ad f a c a a .

A 164 T f a c a da a a c d d c d b  
 C a a b a d acc da c PRC acc . a da d a d . a  
 a a a a acc . a da d acc . a da d f a  
 ac .

A 165 T C a a a a . a . c  
 af d f a f ca a a d a a c  
 af d f f f ac f ca a ; b a a  
 f af d f a f ca a , a d b  
 af d f f f ac f ca a .

A 166 T C a a ab acc b a a .  
 acc b .

A 167 W C a d b af - a f f c a ,  
 a d a 10% f f a a c f d . S c a ca  
 a b d a c f d f C a a acc . a d  
 50% f d ca a f C a .

If a c f d ff c a f f  
 c d a , f f c a a f b d a f ad  
 b f a a c f d d a c d a a a .

Af a c f d d a f af - a f ,  
 d c a c f d a a b d a f a a a  
 ad a a a .

Af C a a ad a d ad a ca a .  
 f d, a f a d b d b f a d b  
 a d .

If a d ' a a ab b d b  
 f a d b f C a a a da ca f d  
 a , f d b d b d C a b  
 a d .

T a f C a d b C a a a c a f  
 d b .

A 168 Ca a c d f  $\boxtimes$  :

(I) P a f ab a a f a ;

(II) O d b c f a c a a d S a  
C c b a a d ca a .

A 169 T C a ' f d a b d a C a ' ,  
a d d c a d a f C a c a ca a  
f C a b a f c . H  $\boxtimes$  , C a a ca a  
f d a .

W a f d c d a ca a , a a  
a b a 25% f C a ' d ca a  
c .

A 170 T C a a d b d d d f  $\boxtimes$  f :

(I) Ca ;

(II) S a ;

(III) O f d b a  $\boxtimes$  , ad a a , d a a  
L R .

A 171 T c f f d b f C a :

(I) T C a c a d ab f d b c . T  
f d b f C a a d a ab a d  
ab f  $\boxtimes$  c d a  
C a ' a d a ab d . T d b f f  
a c d c f c a d b ab f .

(II) T C a ' f d b c a d c f c d d d d b  
a a b f a d , c d d a d a d b b a d f d c a d  
d a f a d f a a ;  $\boxtimes$  b a d  
f d c f a f d b c a d d d d d b  
a , a a f c d a f f d d d c ,  
b a d f a d b c .

(III) T C a d b d d d f fca d d d , c d d d  
a c b a f b .

(IV) T C a d b d b ab f (b af - a f af  
C a a a d  $\boxtimes$  d a  $\boxtimes$  c f d )  
a a a ba . Acc d f ab , C a a d b  
ca d d d  $\boxtimes$  c d d b a d d .

(V) T C a . d ac d b. f ca .T f d b. d  
f f ca a . a a b a 20% f d b. ab f  
a d a a .F ca -ba dd b. , C a . c d  
☒ ca ab d f C a ' a a  
a d - d af . c d b. d a  
d b. a f a d a a ☒ :

(1) W C a a d d a ☒ f ca ca a  
d . a a , d d dd b. d f f ca  
a b a 80% f a f d b. ;

(2) W C a a d d a ☒ f ca ca a  
d . a a , d d dd b. d f f ca  
a b a 40% f a f d b. ;

(3) W C a a d a ☒ f ca ca a  
d . a a , d d dd b. d f f ca  
a b a 20% f a f d b. ;

I ca a d ff c. d C a ' a f d  
b. C a a f ca ca a d . a a , f  
d b. a b d a ☒ . a c d .

U d c a c c. a c , f f d b. a f c. a  
a b d d acc d ab d ca d d d c  
ca d d d a , C a a d c c f c  
a a d c a f d d d c . a .If c  
c a ☒ C a ' a a d a c a  
a d d f a d ' a a . c  
f d b. a , c a b c d ☒ .

(VI) If a d b. ab f a af ca -ba dd b. ad  
a d b a d f d c c d a c -ba dd b. a  
a f a a d , c -ba dd b. a b ad d.  
W C a d c f ca . f . c d b. , d  
f c d ☒ a ca a af . c d b. ☒ a c  
ca f a f C a a d c d ff c f . c  
f d b a d f a c d a d b. a a ☒  
a f a a d .

(VII) If C a c d d f a f ca a b. b a d f d c  
d d ca f d b. a af d f a f ca a ,  
a a a b ad . a a d b. f  
a d a f f d b. d a d a d b C a .T  
d d d c a d d .

(VIII) T C a a a d a a . a f f . a a d  
a f ca d d d c .

(IX) If f d b c ad d b C a acc d  
a b ☐ a c d , ad d  
c a a a a d b CSRC a d  
c c a ; a c f c ad b a d b  
C a ' b a d f d c a d b a d f b f b  
a d ' a f a a . T a d ' a  
a b c d a ☐ . T d d d c  
a d d .

(X) If a a d a cc C a ' f d , C a a  
d d c ca f a ca d c a d a a a .

A 172 T ca d d d a d a a d b C a  
a d f d c a a b d b d f f R b . T ca d d d  
a d a a d b C a a d f a - d f a  
a b ca c a d a d d c a d R b a d a d f c c . A f  
c c d a b a d d acc da c ☐ a f f  
c a ad a f PRC.

A a a d b a d f a ad a c f ca ☐ b d  
, b . c a d a a d a c a a d d d d c a d  
b .

A 173 T d d d a b d b d a d b C a  
acc da c ☐ a a ☐ f PRC. T a a ab f c f a d '  
d d d a b ☐ d b c d b da .

A 174 T C a a a c c a f d f a -  
d f a . T c c a a , b a f f a d a d ,  
c c d d d d b d b C a f a - d f a a d  
a ab .

T c c a a d b C a a f  
a ☐ c c a f ac .

T c c a a d b C a f d f a - d f  
a d H K a b c a d a T  
O d a c f H K .

F c f d d d b a d , d d a a a f  
c c a a b d , C a a c d d d  
c c d , b a d a b c d b f f a cab a d  
d.

T C a a a d d d d ☐ a a b a  
d f a - d f a ☐ d d d ☐ a a ca d f ☐  
c c . H ☐ , C a a a c c ☐ d d d  
☐ a a d a f a add f f .

T C a a a a f d f a -  
d f a  $\boxtimes_V$  ca b ac d d f  $\boxtimes_V$  c d , d d  
d b a  $\boxtimes_V$  a d a :

(I) D d d a b d b d f a d a f a a  
12 a , b a c a d a d d; a d

(II) U f 12- a d, C a a a c  
a a  $\boxtimes_V$  a ( ), a d f c c a  $\boxtimes_V$  c a d  
a a d.

## C, 16 A A F

A 175 T C a a a a d d acc f  $\boxtimes_V$  c  
a f d d a a f S a a d a a f a c a  
a d f a c a f C a F f A c f A c a ,  
c f d b c acc a d b C a a a a ac a  
acc a .

T C a ' f acc f a b a d a a a  
f a a a acc f a d a d ff c  
c c f f a a a .

If a a d c  $\boxtimes_V$  d c d a a a ,  
 $\boxtimes_V$  a b c d b b a d f d c .

A 176 T acc f a d b C a a d ff c f  
c c f a a a a  $\boxtimes_V$  c  $\boxtimes_V$  a d .  
c c f a a a .

A 177 T acc f a d b C a a a f  $\boxtimes_V$   
:

(I) T acc acc b , c d c f C a a a ,  
a d a d c , a a a a a d  
a d c a d a a ;

(II) T a C a a a a ab ac b b a d c  
a d a a f b d a d d f f a c f d ;

(III) T b a a , c c f a a a  
a d a c f a a a  
, a d d c a a a a  
c c a C a ' acc f .

A 178 I f aca c f acc f , b a d f d c a  
a a acc f f a d aca c b f c f a a .  
D d a f a d aca c , f C a a a c b acc f ,  
a d acc f a c ac .

A 179 R a d f c a c c c . d d b  $\boxtimes_{\forall}$  acc .  
 f a d C a , a a , a d a , d  
 a d acc . f b f f f . I f a c a d  
 b acc . f a a C a , a d a b aff c d .

A 180 T a f acc . f d f d  
 a a b . b c d c f a . T a f  
 acc . f a d b b a d f d c a b d d b b a d f  
 d c .

A 181 A , d a - a f acc . f b  
 C a a b . b c d c a a a d a b f d  $\boxtimes_{\forall}$   
 c . a a d S a C . c .

T a a c  $\boxtimes_{\forall}$  f  $\boxtimes_{\forall}$  a a  
 a a - c b acc . f f a a c a c f a acc . f  
 a a acc . f a d b b a d f d c f a c a c  
 d a c b acc . f b f f :

(I) T a f a d a a , b f c f a  
 , b d acc . f b a d  $\boxtimes_{\forall}$  c  
 d a a a d c a f c a a .  
 T a f c a c . d d a , a .

(II) If acc . f ab . a c a a  $\boxtimes_{\forall}$  a  
 a d C a f a d f a d a ,  
 C a a a f  $\boxtimes_{\forall}$  ac a c d  
 a :

1. D c b c . d f a acc . f  
 ab . a c a ad a a ;
2. S d a d d c c f a  
 a c f a a a a ac c f c f d  
 A c f A c a .

(III) If C a fa d . a f acc . f a (II)  
 , a acc . f a a a d a b ad  
 a a a d a f d a c a .

(IV) T acc . f ab . a c a a d  
 f  $\boxtimes_{\forall}$  :

1. T a a  $\boxtimes_{\forall}$  c f a ;
2. T a f f a c a c b ca f a f  
 c ;
3. T a d b ca f a .

T acc . f ab . a c a c a  
c f af a d f a a , a d d  
c a a a c c a C a ,  
f acc . f .

A 182 W C a d d a a acc . f ,  
a c a b acc . f 15 da ad a c , a d acc . f  
a a a a a . W a acc .  
f d a , a a a ☒ C a a  
a a a .

A acc . f a b ac a ☒ c f a a a  
add f C a . T a d c a a ff c da f d  
a add f C a a a da c f d c . T a d c  
a c d f ☒ a :

1. A a a a d a f a b d c d  
a d c d f C a ;

2. A a f a . c f a b d c d.

T C a a d a c f ☒ c d c d

**A 184** M f C a a b  $\text{f}$  : b ab  
a d b c da .

I f f C a , a c c d a c c d a  
a a d a ba a c a d . T C a a  
f a c d  $\text{f}$  10 da af ad f a d a a  
a c  $\text{f}$  a  $\text{f}$  30 da . C d d,  $\text{f}$  30 da f b  
f d, f d c c ,  $\text{f}$  45 da f b c a c ,  
C a a ff d b d c d a a .

T c d , a d d b f a c c d af f C a  
a b d b c a b af b  $\text{f}$  ab d  
c a .

**A 185** W C a d d d, a b d d d acc d .

I f d f C a , a c c d a c c d a  
d a a d a ba a c a d . T C a a  
f a c d  $\text{f}$  10 da af ad f d a d a a  
a c  $\text{f}$  a  $\text{f}$  30 da .

T c a af d a b a ab f d b f C a  
b f d . H  $\text{f}$  , f b f d C a a d c d a d  
a  $\text{f}$  c ac c c a f d b , f d  
a .

**A 186** C a d a c a a f a d f  
C a a b d  $\text{f}$  c a a a acc d a  $\text{f}$   
If C a d d, a c a c a f a a b ff c d acc d  
a  $\text{f}$  If a  $\text{f}$  c a ab d, a f c ab a b ab d  
a d d acc d a  $\text{f}$

## C 18 D L C

**A 187** T C a a b d d a d da d acc d a  $\text{f}$  a  
f f  $\text{f}$  c c a c :

(I) E a f b ;

(II) T a a d d C a ;

(III) M d f C a a d ;

(IV) T C a d c a d ba acc d a  $\text{f}$  b ca ab a  
d b a fa d ;

(V) T C a c d d  $\text{f}$  d a f a  $\text{f}$  a d ad a  
a acc da c  $\text{f}$  a  $\text{f}$  ;

(IV) If C a . . . b a a d a a a d  
 c . a a c a a f f a d , a d  
 . ca b f d . a c a , a d d  
 a 10% f a f C a a ,  
 c . d C a .

A 188 If a c c a c a a d a a a (I) f A c 187  
 f A c f A c a , C a a c . a d f  
 A c f A c a .

If A c f A c a a d d b c af a d ,  
 b a d b a d ☒<sub>vk</sub> - d ab f  
 a a .

A 189 W C a d . a (I) a d (II) f A c 187  
 f A c f A c a , a da c a b ☒<sub>vk</sub> 15 da a d  
 b f a b d c d d b a d a a a .

If C a d d . a (IV) f A c 187 f A c f  
 A c a , a da c c a d , a d a a d  
 a f a a b ab d b ' c . acc da c ☒<sub>vk</sub> a  
 a☒<sub>vk</sub> ca . da .

If C a d d . a (V) f A c 187 f A c f  
 A c a , c a a a a d , a d a  
 a d a f a ab a da c ca . da .

A 190 If b a d f d c d c d . da C a ( a f  
 . da ☒<sub>vk</sub> C a d c a d b a . ), c f a b  
 d f a c a a a a b a d f d c a ad a  
 a c d f C a a d a C a a a a  
 d b ☒<sub>vk</sub> 12 af c c f da .

Af . da ad d a a , f c  
 a d ☒<sub>vk</sub> f b a d f d c a a da .

T . da c a , a . c f a ,  
 a a a c a a ab . a d f da  
 c , b . f C a a d f da , a d d a  
 f a a a d f da .

A 191 T . da c a f a c d ☒<sub>vk</sub> 10 da  
 af ab a d a a a c ☒<sub>vk</sub> a ☒<sub>vk</sub> 60 da . T  
 c d a d c a c d , da c ☒<sub>vk</sub> 30 da  
 af c f c ☒<sub>vk</sub> 45 da af a c f c d a  
 c d c .

T d c a c d ' , c d a a a a  
a d d a d a d c . T da c a  
c d ' acc d a<sub>☒</sub>

D. d f d c a a , da c a a a  
c d .

**A 192** D. da , da c a c  
f <sub>☒</sub> f c a d <sub>☒</sub> :

(I) T a a d a f a f C a a d a a  
ba a c a d a ;

(II) T f c d b c a c ;

(III) T d a <sub>☒</sub> a d b f C a a da ;

(IV) T a ff a d a ;

(V) T c d ' a d d b ;

(VI) T d f a a f C a af a f d b ;

(VII) T C a c c d .

**A 193** Af da c a a d a d a  
f a f C a a d a d a ba a c a d a ,  
a f a a da a a d b a  
c a f c f a .

T a f C a a b a d f <sub>☒</sub> d f :

L da , ' a a , c a a c , a .  
c a , a d a , a d C a ' d b . T a f C a  
a af a ca f acc da c <sub>☒</sub> f a  
b d b d a d a f a a d a d  
c a .

D. da , C a a ca a <sub>☒</sub> b a .

**A 194** I f da d d f C a , af  
da c a a d a d a f a f C a  
a d a d a ba a c a d a , f d c a C a ,  
a a ff c a d b f , a d a a ,  
c d c a C a ba .

O c ' c a a d c a C a ba , da  
c a a d da a ' c .

**A 195** Af c f da f C a , da  
c a a a da a d c a d d a a d  
acc b c f da da d, af a d b a C c f d  
b c acc a , a b a a c  
a f c f a .

T da c a , 30 da af b a c f a f  
a a c a , b af a d d c a  
c a a a , a da ca c a f C a a d  
a c a f C a .

**A 196** M b f da c d b a d  
a d f da d acc d a

M b f da a a ad a a f c b b  
a c , a d a b C a ' a .

If a b f da c ca C a c d ,  
d b a d c , a b ab f c a .

**A 197** W C a d c a d ba acc d a  
ba c da b a d d acc d a ba c .

**C 19 P A , A A**

**A 198** T C a a a d A c f A c a a  
a, ad a a , L R a d A c f A c a .

**A 199** T C a a a d A c f A c a , f:

(I) T a a c b d A c f A c a c f c a d d  
a a d ad a a af a d f C a La  
a a d ad a a ;

(II) T c a f C a ' a c f c a a c b d  
A c f A c a ;

(III) T a d ' a a d A c f A c a .

**A 200** T a d f A c f A c a a f c d  
a b

(I) T b a d f d c d a a d a acc da c  
A c f A c a ;

(II) T c a d f a d a a d c a d '  
f ;

(III) T b a d b d a a d ' f a  
a a c a .

T b a d f d c a a d A c f A c a acc da c ☒  
☒ c a d f A c f A c a a d a  
a d ' a d a a d b c a  
c c d.

A 201 If a d A c f A c a a c  
f Ma da P , a d a a b b c a a b c a  
a a a d a a a d b S a C c ; f a d  
a f C a , d c a a b d a  
a☒

## C 20 N

A 202 T c f C a , a a d ☒ a a c d  
b d a a , , a c ,  
d c , a d c c a , f a d a a c a b d  
a f ☒ :

(I) B a d ;

(II) B ;

(III) B fa a ;

(IV) B a c ☒ b d a d b C a , H K  
S c E c a a d SSE acc da c ☒ a☒ , ad a  
a , L R f S c E c a a d L R f SSE;

(V) B ☒ a a d d a d d a;

(VI) B a a d b a c a a a  
ca ☒ C a ' a a d a d A c f  
A c a .

N ☒ a d a c a d A c f A c a  
c f b c f a c , c ca ☒  
a a , C a a c a c c c a c ca b a  
d d d (IV) f A c ac f d ☒ d c b a d  
b a d ac d f a - d f a , b c a  
f c a a a ca ☒ a f  
C a a d.

**A**      **203**    I                    a                    a                    a                    f                    c.                    . a  
a                    f                    ac    ☒<sub>v</sub>                    C                    a                    '                    a                    a                    d                    .                    . c                    d c.                    .  
b d                    a c                    d,                    a                    d, d                    b.                    d,                    .                    d, a                    .                    c d                    b a                    .                    f                    .                    d d  
                  a                    d                    b                    E                    a d C                    ,                    C                    a                    a (                    acc                    da c  
☒<sub>v</sub>                    f                    c                    f                    a                    d                    c                    c                    d) d                    a c                    .                    E                    .                    C  
                  a                    d                    c                    c                    d f                    C                    a                    a                    ad                    .                    a a

(II) T a ca f a b a a c C a I a a Ec ca d T ad  
 A b a C f a b a f  $\nabla$  a b a f  
 c H K I a a A b a C f a b a f  $\nabla$   
 c a b a f. Af a ca f a b a b  
 d ca f a b a , a a acc a b a a  
 a b a b d c d b a ca .

If a ca f a b a c H K I a a A b a  
 C f a b a , a a a a b a b c d c d  
 S f  $\nabla$  c a b a f H K I a a  
 A b a C .

(III) S f d c a (I) b  $\nabla$  a f a b a a b  
 d b PRC a  $\nabla$  a a  $\nabla$  c f d b a  $\nabla$  a d ad a  
 a .

(IV) T a b a a  $\nabla$  a d ad b a b a b d a b f a a d b d  
 b a .

## C 22 P

A 206 T R f P c d f G a M , R f P c d  
 f B a d M a d R f P c d f M f S ,  $\nabla$  c ad b  
 c d d a d a d b G a M , a b a d f A c  
 f A ca .

A 207 T A c f A ca  $\nabla$  C . I ca f a  
 d c a c a a d ff a a , a C  
 a d b a d d  $\nabla$  c a a a a .

A 208 F f A c f A ca , a  $\rightarrow$   
 $\nabla$   $\rightarrow$  a \_ a c a d c d  $\rightarrow$  a  $\rightarrow$   
 b d \_ a d b  $\nabla$  a c .

A 209 T A c f A ca a b b c a f  
 b a d f d c f C a . A a c d a b a d a  
 a d b a d f d c .

A 210 S d b a c c b  $\nabla$  A c f A ca  
 a d a a  $\nabla$  , ad a a , a a d c a d  
 f c c a  $\nabla$  c C a , a a d , a a a .

A 211 F f A c f A ca , acc f \_  
 a a a a a d \_.