

# 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 C a d ab )  
( : 06865)

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A A F G G C.,L.

C 1 G P

A 1 T A c A ca a a d acc da c
C a La P ' R , b c C a( a d a C a
La-), S c La P ' R , b c C a( a d a
S c La-), S ca P Sa C, c O a O
a d L Sa b J S c L d C a ( a d a
S ca P -), R Sa C, c Ad, P
A cab N c P d H d Sa d ' M O a L d
C a ( a d a Ad, R -), Ma da P
A c A ca C a L d O a ( a d a
Ma da P -), G da c A c A ca L d C a
( a d a G da c A c A ca -), L O
S a A d A c A ca C a b L d
H K ( a d a O S a A d -),
R G L S c T S c E ca H K L d
( a d a L R S c E ca -), T S c L
R Sa a S c E ca ( a d a L R
SSE-, L R S c E ca , a d a L
R -), a d a , a a a a d a
Fa Ga G , C.,Ld.( a d a C a - C a -),
a d a d c d a d a a a a d c d c C a .

T C a c a da a c d c a acc da c
C a La, S ca P a d a PRC a a d ad a
a .

T C a a c d c a ab d 29D c b 2005 b
, d a , c , a Z a Fa Ga & M Ld..
T C a a d Z a P ca Ad a Id &
C c .T C a a :Ra H a ,Ja J ,a,Ra Z ,
Z W ,S F ,a ,Z ,Q a ,W Y ,S Q ,Ta H ,
a d W S ,a .T C a ' , d c a c d c d 913300007044053729.

A 2 R d a C a :

- C a : 福 特玻璃集團股份有限公司
E a : FLAT GLASS GROUP CO., LTD.

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

P a C d : 314001;
T a b : (86573) 82793999;
Fac a b : (86573) 82793015.

A 4 T a a C a c a a b a d

C 2 O

A 9 T b b c C a a c c a , a r c a a d a b .

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

T b c C a c r d : a c c r d a , a r a c c a a d c , a r a c c a d c , a d , a d a d c , a r a c c a r c , a r a c c a a a d a r a c c a d a c c , a a c a d c c , a r a c c d a c c c m , a d a c a d , ( c c a a , b c a a a c c d a c a a , b c d c d d b b c c ( ) a c c d a c a ) ; a d c d c c r d a d ( c , b c a a a a c c d a a a , a a c a b c a d , a a a a a ( ) , a d c c c d c a b , b c a a ) .

C 3 R C

A 11 T C a a a d a a a a ; a a c a a a a d a a a a d b S a C , c , C a a a a c a a d d .

A 12 A a , d b C a a a a a , a c a a a a a RMB0.25.

RMB d c d a a a a , c c PRC.

A 13 T c C a a a a . T C a a a b d c a d a a a c r a a , d S a C , c . T C a a a a a a d r a , a d a c a a c a a a . A a a a c a , d a a a a b , d d a c d a d a a c ; a d d a a a a c a .

F d c d a a a a a c r , H K , Maca Ta a , b c b a C a . D c a a PRC, c r d a d , b c b a C a .

A 14 S a a C a , d c , b c RMB a b d a d c a . S a a C a , b c c c a a a d b a d a a d b a d d d c a C a a b d a a . F a d a d d a a b a d a d a .

F... c... c... d... cd... a a a... a... c... c...  
a RMB, a... c... , [ ] c... c... db... c a...  
a... P... ' R... b... c... C... a... ( PRC- ) a dca b... d... a... C... a...  
a...

T d... c... a... , db... C... a... a b... a... d A... a... T... a...  
d... a... db... C... a... H... K... S c E c a... a b...  
a... d H... a... ,... , a... [ ] c... a b... a d... d... H... K... S c  
E c a... ,... a... a... [ ] c... d... a... d... RMB a d... [ ] c... a... , b... c... b... d...  
a... d... a... d... H... K... d... a... U... a... a b... S a C... r... c...  
... a... a... , d... S a C... r... c... a d... a... db... 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... d... c... a... a d... d... a... a... d... a... a... d...  
a d... a... a... a... d... b... a... . T d... c... a... , db... C... a...  
a d... a... d... a... a... a... a... [ ] c... a... a...  
d... d... d... a... .

A... 15 A... db... c... a... -a... a d... a... a... db... S a...  
C... r... c... , C... a... , d 70,000,000 a... ( [ ] a... a... , RMB 1... a... ),  
a... [ ] c... a b... , b... c... b... d... a d... d... b... a... a... C... a... '...  
c... a... .

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

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

A 17 T d m ca - d d m c a r d b C m a a  
 b r d d b a a a a a . T H- a  
 r d b C m a a m a r d c r d b c r a a d  
 m c m a H K d b a d m .

A 18 T b a d d c C m a m a m a a a m  
 C m a ' a a r a c a - d a a d d m c a  
 acc d r c m a d b c r a a r d  
 S a C r c .

Acc d a a d c m a a r a c a - d  
 a a d d m c a , C m a m a r c a a a m 15 m  
 r a a c r a a r d S a C r c .

A 19 I C m a a a r a - d a a d  
 d m c a m a r m b c d r c m , a d a a  
 b r d c a m ; m b a b r d a  
 m c a a , a m a b r d b a m r a a b  
 c r a a r d S a C r c .

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

A 21 T C m a m a c a ca a r r a d a  
 a d d m a d acc da c m a , ad m a r a , d a m a  
 r , ac m c a a d d a d b a d A c  
 A c a .

T C m a m a c a ca a b :

- (I) O m a c d r c d ;
- (II) P ac m m a a d ;
- (III) O m a a d ;
- (IV) O m a c d ;
- (V) C ca a a ca a ;

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

(VII) O                      m a                      , a d b a                      a d a d m                      a                      , a                      a d a                      d b  
c                      a                      , d                      S a C , c .

I , a c                      a b                      C m a                      a b , b c                      a                      a a                      c                      d  
A c                      A c a                      a d                      c d                      c                      d                      a                      a d  
a d m                      a                      , a                      P R C a d                      a c                      a                      C m a .

T C m a                      a                      c a                      d c a                      a a                      a c a                      a                      c a  
d c                      d                      a a d c m c a a d m                      a                      a                      a d m a a  
a                      , c m .

A                      22 S a a                      c                      d b a , a d m                      a                      , a                      a d a  
d b                      H                      K                      S c E c a ,                      C m a '                      a                      m a b                      a                      d  
a d a                      b , b c                      a .

T a                      C m a '                      a                      a b                      d a c                      , d  
b                      C m a . T C m a                      a m a                      , c                      a d c                      c                      a  
a ;                      , b c                      , c a                      a                      a                      , d                      a m a

**C 4 C R ( R**

**A 24** T C a a d c d ca a acc da c  
 A c A ca . T C a a d c d ca a r a  
 C a La , a r a a d A c A ca .

**A 25** T C a a a a b a a c a d a  
 d c d ca a .

T C a a a c d 10 da a ad ,  
 d c d ca a a d a a a r c a a 30  
 da . T c d a a C a a d b d  
 c d r a a d b a 30 da a c c  
 90 da a a r c c d a ' c d c .

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

**A 26** T C a a , c c a c , b bac  
 r a d a a c d c d A c A ca ,  
 ad a r a , L R a d a a r a a  
 a :

- (I) W ca c a d c d ca a C a ;
- (II) W c a d a C a ;
- (III) W a E S a O P a a a a d ;
- (IV) W a d b c r a c c  
 a d C a r C a b a ;
- (V) W a c c b b d r db C a ;
- (VI) W c a d b C a c a r a d a d '  
 ;
- (VII) I c c a c r a d b a a d a d a r a .

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

**A 27** T C a a r c a a a a  
 r a a b r a a a :

- (I) I r a r c a a a d acc d a r a c a ;
- (II) B bac r a ac c c a ;

(III) Br... bac... r... a... d... c... ca...;

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

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

A... 28 I... r... ca... a... r... a... d... c... ca... , C... a... a... a... a... a... a... acc... da... c... A... c... A... ca... . W... a... a... a... a... a... a... , C... a... ca... c... ca... c... ac... a... ad... c... c... d... d... a... ad... a... a... r... d... c... ac... .

T... a... r... ca... c... ac... d... c... d... a... a... a... c... d... (b... d...) a... r... d... a... a... r... ca... b... a... ad... ba... a... r... ca... .

T... C... a... a... a... a... r... ca... c... ac... a... d... .

A... a... C... a... '... r... ca... d... ab... a... c... c... d:

(I) T... c... a... c... dc... a... r... c... a... a... r... ca... d... a... b... d... ; a... d

(II) W... a... r... ca... b... d... ,... a... d... b... r... a... d... a... a... d... .

A... 29 R... r... ca... C... a... '... a... a... r... (I) (II) A... c... 26... A... c... A... ca... a... b... , b... c... ,... a... a... a... W... C... a... r... ca... a... r... d... c... c... a... c... a... d... (III), (V) & (VI) A... c... 26... A... c... A... ca... ,... r... ca... a... b... db... a... -... d... d... c... a... ab... ad... . A... C... a... a... b... ,... bac... a... acc... da... c... A... c... 27... A... c... A... ca... ,... r... c

**A 30** U C a r d r d a , C a a b  
 b b a c r a d a :

(I) I C a r c a a a a a , a a b  
 d d c d b b a a c d b a b a d c d  
 r a c a b b a c d a ;

(II) I C a r c a a a b a a a , r a  
 a a a a b d d c d b b a a c d b a b  
 a d c d r a c a b b a c d a ;  
 c d a a a b c d a :

1. D d c d b b a a c d b a b C a  
 a r c a d r d a a a ;

2. D d c d b b a a c d b a b C a  
 a d c d r a c a b b a c d a  
 a r c a d r d a a b a a ; b a a r  
 d d c d c d r a c a a c d  
 a b a d a r a c a r c a d  
 a d a c d ( c d r a c  
 a ) a a c c ( c a a a c c )  
 C a a r c a ;

(III) T a d b C a r a b d d c d  
 d b a b C a :

1. A c r c a a ;

2. C a a a r c a c a c ;

3. C a c b a r d a r c a c a c .

(IV) A a a r c a c d a d d c d d c a a  
 C a r r a a r a , a d d c d  
 d b a b a a a a r c a d a b  
 a d a c c ( c a a a c c ) C a .

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

**A 31** T C a r b d a a a a a  
 d a a c a a a c r c a a r c a C a  
 a . T a a d r c a e r d d c d c r d a  
 b a b c a r c a C a a .

T C a r b d a a a a a d a  
 a c a a a a a d b r d c d c a  
 b a .

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

A 32 F a c a a ... a c ... d ... C a ... a ... d (b... d ) ... :

(I) G ... ;

(II) G a a ... ( c , d ... ca ... , a a ... , d a ... ab ... d ... , ... b ... b ... b ... ), c ... a ... ( c , d ... c ... a ... C ... a ... a ... ), ... a ... a ... ;

(III) P ... a ... c ... c ... ac , d ... c ... C ... a ... , ... b ... a ... a ... , c a ... a d a a d ... a ... c ... ac , a d a ... a d a a d ... , d ... c ... ac ;

(IV) P ... a ... a c a a ... a c ... C ... a ... , a ... a ... a ... a ... d c a ... ca ...

Ob ... a ... d ... a ... c , d ... b ... a ... , d a ... b ... b ... ac ac ... a ... a a a ... ( ... a d ... a d c ... ac a a ... c a b ... , d a ... b ... d ... d a ... ) ... c a ... a c a ... a ...

A 33 T ... ac a ... d ... d a ... b ... d , d A ... 31  
 C a ... :

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

(II) T C ... a ... d ... b ... a d ... d ... acc da c ... a ... ;

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

(IV) T C ... a ... d ... c ... d c a ... a , b ... bac ... a ... a d ad , a ... d ... , c ... acc da c ... A ... c ... A ... c a ... ;

(V) T C ... a ... , ... b ... c ... , ... d ... a ... a b ... a ... (b ... , c ... a c a a ... a c ... a ... a d c a ... a ... C ... a ... , d ... ca ... a d c a ... , c ... a c a a ... a c ... , ... d ... b ... ab ... C ... a ... ) ;

(VI) T C ... a ... d ... a ... c ... a (b ... , c ... a c a a ... a c ... a ... a d c a ... a ... C ... a ... , d ... ca ... a d c a ... , c ... a c a a ... a c ... , ... d ... b ... ab ... C ... a ... ) .

**C 6 ' R**

**A 34** A S a c \_ ca \_ ca \_ d c \_ a \_ a  
 , db C a a db a d c c d. T C a ' a a  
 a \_ d a .

Ma c \_ d C a ' a c \_ ca a \_ c, d :

- (I) C a a ;
- (II) Da \_ c a \_ C a ;
- (III) S a d ' a a d add ;
- (IV) C a a db ac a d , a a , a d , b a  
 d;
- (V) S a , b a c \_ ca db ac a d a d da  
 \_ c a a ac , d;
- (VI) O a b c \_ d , a C a La , S ca P ,  
 R 19A.52 L R S c E ca . a da , db  
 c \_ ca \_ C a ' a a \_ d.

D \_ d a - d a a d H K  
 S c E ca , C a a , a \_ d c a d \_ c \_ ca  
 a \_ a d H K S c E ca . ( c, d \_ a - d  
 a \_ c a d H K S c E ca . ) a \_ c, d \_  
 a , a d a , c a d \_ a \_ a \_ c a , b c ,  
 , c a a a \_ d 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 \_ a :

- (I) T a , c a a \_ C a a d ac \_ a d ,  
 a d C a a \_ ac a d b a d c \_  
 C a La , S ca P , a a , ad \_ a  
 , a \_ a d A c A ca .
- (II) T a , c a a \_ C a a d ac C a ' ,  
 a d , d c , , a a a a d \_ a a ,  
 a d C a ac \_ b a a d ac d c , , ,  
 a a a a d \_ c \_ a \_ ac a d ,  
 a d , c a a \_ A c A ca \_  
 \_ b \_ a \_ c \_ d \_ C a La a a  
 ad \_ a \_ , a \_ c \_ C a ' a a a b a \_  
 acc da c \_ A c A ca , a d a a \_ 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 \_ a a d c c ,



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

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

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

T a d ' a c , d a :

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

(V) I a a d d b a d d , a b  
d a d a c d ; a d

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

S r d C a , a a a , a ,  
da a a ca a , d a a d  
a a c a , a a , c a .

T a a a - d a d H K a b c d  
a a a c a a  
acc d b b a d d c ; a d a , a b d b a d  
r a . I a a a c d c a , ( R c d  
C a H , - ) a d d S c a d F , O d a c  
(C a 571 La H K ), a a c a b d b a d .  
A a a b a a add C a a ac  
d a d b b a d d c .

A 43 N a d b ca b a d 1 a a  
ab C a . S a a ad O b b - , ca a I .

A 47 I a a d a d ' a  
 a a ( ) c d d a d ' a a c ca ( . .  
 a a c ca -), a d a d a a C a  
 a c ca a d a ( . . a a -). R a d .  
 c a a a b a , C a a a a a a  
 ac , b d a a b d , b a a a a  
 a b d d.

A ca a c a c ca d b d d c a  
 a b c d acc da c C a La.

A ca a c a b d a - d a  
 a b c d , a a , a c c a a  
 a ac a a d ' a - d  
 a .

A ca a c a d b d a - d





(3) R a r d a ca a C a ;

(4) R a a a r , r b a , a d a d  
c ac ca a , c a d b C a  
c a ca a , a d a a d b C a  
;

(5) C r c a b d ;

(6) T a a d d a ca a C a , a d  
b a d d c , a d a d b a d , ;

(7) C a a r a c d d  
a d c c a C a c a ;

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

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

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

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

(VIII) T a d a a a d a c  
a C a a , b a a  
b a d d c da a d a c ;

(I ) T c d b a , ad a , a a d  
A c A c a .

A 52 I a a a d a acc a a  
a d c b d A c 51 A c A c a b a a , a  
d a d c C a c a a d , b a  
C a d . S c a a b d d a d a ,  
a C a d a d .

A a d a , c d a b a C a '  
ad c c ab d a d a ab , c  
a . T a d a b a ab c a ca a  
d a c a d C a .

**A 53** T d a a d C a a a .  
 b a :

(I) T b A c A c a ;

(II) T a , b c , d a a , b c b d a d .  
 , b c ;

(III) S a d a a d c a c b d b a a d  
 ad a , a ;

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

A a d ab a d ,  
 C a a d a d , db ab c a acc da c  
 a .

S a d ab a a C a a d d  
 ab a d , d ca ab a d , da  
 c d , , db a d a d ab  
 C a .

(V) T , b a , a d b a , ad a , a  
 a d A c 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 db a , b c .

**A 54** I a a d d 5% C a d  
 a , , d C a da , c c c .

**A 55** T c a d ac , a c C a a  
 , a ca d a da C a ' . I , c  
 a d , da C a , , db b c a .

T c a d a d ac , a c a d , c a d a d  
 C a a d a d d , b c c a C a . T  
 c a d , d c c a ca a c b . T  
 c a d a a , d , c a d b ,  
 , c , a , a , a a , b  
 d , a a da a C a a d a d  
 , b c c a . T a a , c da  
 a C a a d a d , b c c a .

**A 56** Sa b a , r d a , ad a , a  
 L R S c E c a , c a d , c  
 a a d , a a a d c d a a  
 a d a a , c :

(I) E d c a d , b a ac  
 b C a d a ;

(II) A d c a d , ( )  
 C a a a a , c r d (b d ) a  
 a , C a ;

(III) A d c a d , ( )  
 a d a a d , c r d (b  
 d ) a d b a d , b c r d  
 c a a a , b d ad a a a r r a  
 A c A c a .

**A 57** A c a d , a d c d a c , a  
 , a c d :

(I) W a c a a c c a , r c a ca  
 c a a C a ' d c ;

(II) W a c a a c c a , r c a ca  
 c a 30% ( c r ) C a  
 c a 30% ( c r )  
 C a ;

(III) W a c a a c c a , r c a d  
 a 30% ( c r ) r a d a C a ;

(IV) W a c a a c c a , r c a a  
 d a c c C a b d .

T a c c a a a c c r d a , a r  
 c d a ( a d a ) a c r C a ,  
 a a d a c a a c  
 C a .

## C 8 G M

A 58 T a a b a a C a a d  
a c r c a d acc d a.

A 59 A a a c r c a d :

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

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

(III) T c a d a c r a a a a d  
d c d a a a r ;

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

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

(VI) T a a a d a a r a a c a b d a d a a c c r a  
C a ;

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

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

( I ) T a , d , d r , r d a a a  
C a ;

( ) T r a c c a b d ;

( I ) T a a , a a a a  
a c c r a b C a ;

( II ) T a d A c A c a ;

( III ) T a a a d b a d a  
a 3% ( c r ) a C a ;

( IV ) T c d a d a r a a a a c b d A c 60;

( V ) T a C a ' , c a d a a a a  
a a r c d . 30% a a C a ;

( VI ) T a a a d a c a r c d ;



A 62 G a a d d d a r a a a d  
 a d a a . G a a b c d b b a d  
 d c . A r a a a b c d c a a a  
 d c d c a .

I a c c a c , b a d d c a c a  
 a d a a :

(I) W b d c a a b d b  
 C a L a a - d b A c  
 A c a ;

(II) W a c c d C a a - d a a  
 c a a ;

(III) W a d ( ) d d a d 10%  
 C a ' d a d r a d a c a ( )  
 c a a d a a ;

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

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

(VI) I a c c a c , a d b a , a d a ,  
 d a a r a , L R a d A c A c a .

T a a b d c C a  
 c d c a . A a a b c d c d  
 a c a a d a d . I a d d ,  
 C a d a d a c c a c a b  
 a d . A a d a c a a a a d a  
 a b d a b . W C a c a a b  
 a , a a d a a a b  
 a d c d d a a c d a d a c a .

D a , C a a a  
 a a d r b a :

(1) W c d c a d d c  
 a a a d A c A c a ;

(2) W a c a a d a a d c a a , a d  
 a d ;

(3) W c d a d , a , a d a d ;

(4) O a , a r d b C a .

**A 63** A  $\square$   $\dots$  c c  $\dots$  a r a  $\dots$  a  $\dots$  a b  $\dots$   
 b c  $\dots$  a 20 b  $\dots$  da b  $\dots$  da  $\dots$  a  $\dots$   
 a d  $\dots$ ;  $\square$  a a  $\square$   $\dots$  c  $\dots$  a d a  $\dots$  a  $\dots$   
 a b  $\dots$  a 15 b  $\dots$  da b  $\dots$  da  $\dots$  a  $\dots$   
 a d  $\dots$ . A b  $\dots$  da - a  $\dots$  d  $\dots$  a c  $\dots$  a c a  $\dots$   
 a ad da  $\dots$  c  $\dots$  H K S c E c a  $\dots$ .

T c a c a  $\dots$  ab  $\dots$  d d a  $\dots$  c r d da  $\dots$  b  $\dots$   
 a r c  $\dots$  a d a  $\dots$  c d.

**A 64** N c  $\dots$  a  $\dots$  a  $\dots$   $\square$   $\dots$  r  $\dots$  :

(I) I  $\dots$   $\square$   $\dots$   $\dots$ ;

(II) S c  $\dots$  r , da a d  $\dots$   $\dots$  ;

(III) S a  $\dots$  a b d c r da  $\dots$  ;

(IV) P d r c c a  $\dots$  a a d a a  $\dots$  a d  $\dots$  a  
 a  $\dots$  d r d  $\dots$  a b c d d. W r  $\dots$  a  
 $\dots$  a  $\dots$ ,  $\square$  a a  $\dots$  ad  $\square$  c  
 $\dots$  C a  $\square$  a c a , r c a a ,  
 r c r a c a , a r a C a ,  $\dots$   
 d a ac  $\dots$  b d d d a a  $\dots$  c  
 d c ac ( a ) , a d a ( ) a d c r c a  $\dots$   
 b a d;

(V) C a a d c r a r a d  $\dots$  a a a  $\dots$  a  
 d c , r  $\dots$  , a a a  $\dots$  a a  $\dots$  d  
 a ac a d c  $\square$  c d a ac  $\square$  a  $\dots$   
 ca ac a a d a a d  $\dots$  c  
 a d a c a ;

(VI) C a r a c a r b da  $\dots$  ;

(VII) C a ac a a a a a d d a d a d a r c  
 $\dots$  d a  $\dots$  a d a d a r c  
 $\dots$  b a a d a r c d b a a d  
 C a ;

(VIII) S c  $\dots$  a d r  $\dots$  a  $\dots$

( I ) T  $\dots$  b  $\square$  da  $\dots$  a a d  $\dots$  a d  
 d  $\dots$  a d d a d a d '  $\dots$  ,  
 da  $\dots$  a a d da  $\dots$  a c  $\square$   
 r  $\dots$  a r  $\dots$  a r  $\dots$  ac  $\square$   
 a C a a a d ; a d

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

A 65 T c a a b d d a d ( a d a a a ) b a d a db ca  
c c a C a ' a a d ( c , d 61 c d

T adda c a a  
 a d . F a d d a  
 a b d db d , b c a , c

P b c a , c d c d . a a a a b , b d

a c d c a a

A 65



I b a d d c a c a a d a a a , a  
 a c 5 da a d c b a d d c a d ,  
 c a b a c b a d , c a . ( ) a  
 a ( ) .

I b a d d c d a c a a d a a a a  
 a 10 da c a , d d a b a d  
 d c , a b a d d c a a d a  
 a , a d b a d , a c a d d , c  
 a . F a a c d b b a d , a c a  
 a b b b C a .

A 74 S a d , c a a d a a d ,  
 c a a d a c c d . c d :

(I) T a d ( ) d d a d a 10%  
 C a ' a ( c , ) a  
 a a a d c b a d d c  
 c a a d a a c a a , a d  
 c , b c . T b a d d c a , b a  
 c d a c a a d a c a  
 a 10 da a c a a d  
 T a a d a , a d c a c a d a da  
 a d a

(II) I b a d d c a c a a d a a d ,  
 c a , a c a d ' .  
 c a 5 da d c b a d d c . I  
 a c a a , , d b a d b  
 a a d .

(III) I b a d d c d a c a a d a a d ,  
 d 10 da c , a d  
 d d a d a 10% a C a  
 a a d , b a d , d a a d a  
 a d ' , a d , d b d b a d ,  
 .

(IV) I b a d , a c a a d a a d ,  
 a , a c a d ' 5 da  
 d c b a d . I a c a a ,  
 c , , d b a d b a a d . I b a d  
 , d , c a d ' .  
 c b d d , a d a b a d , c a d  
 d a d ' . T a d d d a  
 d a 10% a a 90 c c da  
 c a c a d d b , c d c  
 , c a , b , b a c d  
 c a a b b a d d c .

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

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

S a d ( ) d d a d . a 3% C a ' ,  
 a a , b a , a ( ) c b a d  
 d c 10 b d a b a a d ' c d ; c a  
 , a , a c a d ' a , c c  
 , a a ( ) da a c a d ( ) .

U da d d c d a a a , c a a d  
 a , c a d ' a , add a  
 a a a , c a c a d ' a .

T ( ) a a / a b , c a d ' ,  
 a / a c a c A c 76 a b d d a  
 a .

A 76 P a a d ' a .

(I) T c a c a , a d a , A c  
 A c a a d a d , a a d , a c  
 c a , a a a a c a a d , a d  
 a a a a ;

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

(III) I a b , b d d c a .

A 77 G a a b c d b b a d d c a d  
 c a b a d d c a d . I c a  
 b a d d c , a b a d , c c a b a d  
 d c a d ; c c a , a b a  
 d , a a d c a c a d c c a d a c a  
 c a .

I b a d d c c a a c a a , b a d  
 , a d c a d d , c ; b a d  
 , c a a c a d d a a , a d  
 d d a d . a 10% C a ' a a  
 90 c c d a a b c a d d a a . I  
 a a a d c a c a a , a d  
 ( c , d ) d a a a d  
 a d .

A 78 S a d ( c r d ) a a a . Eac  
a c a b a

W a a a c 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 r d a a . T a a ,  
a b d c d , b c a a .

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

T b a d d c C a , d d d c a d a d  
a a a d c d a c c a  
a d , b c . W c c a d , r c a  
c a c c c a b d c d  
a b c c d , a d a , r c , b d a  
c a a a c c a a d a d a , d . N c d a  
d a c c d a a b d , a d a d a b ,  
r d , c c a d . T C a a  
a c a d c c . I  
C a c a d , a b c , a d c ,  
a a d .

P r a a c a b a a d , a L R S c  
E c a a d L R S S E , a a a d , d a b a  
a a c r a c d a a a  
a c a , a c a b b a , c a d c a  
r c c a b c , d .

A 79 W b a d , a d d c d c a  
a d ' b , r d b a d d c  
a d a a , a a a CSRC' , b - c a d c c a .  
C a c a d .

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

W c a d , c a d ' a d  
r b c a , c a d ' , r d , b  
a CSRC , b - c a d c c a . C a  
c a d .

A 80 W a a d ' c d b b a d ,  
b a d , b a d d c a d c a b a d d c  
r d a . T b a d d c , d d a d d a  
a a d .

A 81 V... a... a... a b c d c d b... a d, ...  
 ... b... a... b... a d:

(I) C a... a...;

(II) A a... a... d...;

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

U... a d... r... b... acc d... a... cab... c...  
 ... r... a... a... c b d... c... a... a d... r... a... ,  
 c a... a a... r... c... r... b... a d... a... c...  
 a b c d d... r... a c c r d... d c, ... c... r... b...  
 c a... a a... r... a d a... .

T C... a... a d c... a... ca a... r... d b... , ad... a...  
 r... a... , a... r... a... a... L... R... S c E c a... a d  
 L... R... SSE.

T... r... b... ca b... d a... b... .

A 82 I... r... d b... d b... a... c... c a... a...  
 ... a... , ... b... a b c d c d... da... ; ... c...  
 ... r... d b... d b... , c a... a... d c d... b...  
 , a d... a... c d c... d... r... T... r... a...  
 b d... da... r... a d a... ad... .

A 83 R... d... , d b... C... a... A- a... A a...  
 a... , a... d ( c, d... )... d...  
 d... ca a... a... .

A 84 T... ca d da... d c... a d , ... a b , b... d...  
 a... d '... a a... a... T... da d... c d... a...  
 d c... a d , ... a a... :

(I) T b a d... d c... a d... a... d ( )... d... d... a...  
 3% C... a... '... a... a... ca d da ( )... d c ( );

(II) T b a d... d c... , b a d... , ... a d a... d ( )... d... d...  
 ... d... a 1% C... a... '... a... a... a...  
 ca d da ( )... d... d... d c ( );

(III) T b a d... , ... a d... a... d ( )... d... d...  
 a 3% C... a... '... a... a... a... ca d da ( )... , ... ( )  
 /a... '... a... ( );

(IV) T  $\dots$  ( )  $\dots$  b a d  $\dots$  a b  
c d  $\dots$  a  $\dots$  a  $\dots$  ( ); a d

(V) W  $\dots$  a d  $\dots$  a d c ( ), d d d c ( )  
 $\dots$  ( ),  $\dots$  a  $\dots$  a, d a  $\dots$  a d c a d d a  $\dots$ ,  
d c a a  $\dots$  r d a  $\dots$  c a d d a a b  $\dots$  b  $\dots$  d  $\dots$  b a d  
d c 10 b  $\dots$  d a b c  $\dots$  a  $\dots$ .

T b a d d c a  $\dots$  r a a  $\dots$  c  $\dots$  a c c a b  $\dots$  a a d  
b a c  $\dots$  a  $\dots$  c a d d a d c ( ) a d  $\dots$  ( ) a d  $\dots$ , a d  
c d a  $\dots$  c  $\dots$  a d c c a a c  $\dots$   $\dots$  a a d  
 $\dots$  a c c a  $\dots$  r a a  $\dots$  a a c  $\dots$   
a C a a d.

W  $\dots$  c d c ( ) a d  $\dots$  ( ) a a d ' $\dots$   
 $\dots$ , c a  $\dots$  a b r d acc da c  $\dots$   $\dots$   
 $\dots$  a a  $\dots$  ac  $\dots$  a a d,  
A c A c a  $\dots$  r a a  $\dots$  U d c a  $\dots$   
 $\dots$ , c d d d c a b c d c d a a  $\dots$   
a  $\dots$  b b a d d c . W c  $\dots$  d c  
 $\dots$ , c a  $\dots$  a b  $\dots$  d. W c a  $\dots$   
 $\dots$  d c d c ,  $\dots$  d d d c  
a b c d c d a a  $\dots$  a d d d c .

C a  $\dots$  d c d a a a a  $\dots$  d c  
 $\dots$  a b  $\dots$  c d a a a d ' $\dots$ , ac a a a  $\dots$   
a  $\dots$  b c a d d a d c  $\dots$ , a d a d ' $\dots$   
a b r d a c a d a .

S a a  $\dots$  d c a  $\dots$ , a d ' $\dots$  a  
a a a a ;  $\dots$  a a a  
 $\dots$ , r c a a b d a d d d a c a  
 $\dots$  d. U a d ' $\dots$  a d r d r c a b a d  
c a a  $\dots$  c a c a r ,  $\dots$  c a a b d  
r d a a d ' $\dots$ .

A 85 I c a a r a , a a d a  
 $\dots$  c a a a b d add a .

A 86 R a a a b d d d a  
a d c a  $\dots$ .

O d a  $\dots$  a b a d b  $\dots$  a a  
d b a d ( c r d  $\dots$  ) a a  $\dots$ .

S c a  $\dots$  a b a d d b a d  $\dots$  2/3  $\dots$   
 $\dots$  a d ( c r d  $\dots$  ) c .

S a d ( c r d ) a a d ' a  
 ab a . S c a a d c a a a d  
 S c C c P a b Ma a d a d H K a  
 b c a d a . I c , d, b  
 , ca a b d d a ' a , a d  
 , a d b , c a b c , d a ab .

T C a a , a a d a d  
 a d ' , d c c a d a d a  
 , a d a d c a , d  
 a c a r c a a .

T a a b c d , a  
 , d . T c d d a a d  
 ca a .

**A 87** T a a b a d b d a , a a  
 a :

- (I) W b a d d c a d b a d ;
- (II) P d b a a d c a a d b b a d  
 d c ;
- (III) A a d a a b b a d d c a d  
 b a d , a a a ,  
 a a d d a ;
- (IV) A , a b d , a a c c , b a a c , a a , a d a c a  
 a C a ;
- (V) Ma a a , d b a d b c a , a  
 a , a d a a , L R c c a .  
 a C a a d A c A c a .

**A 88** T a a b a d b c a , a a  
 a :

- (I) I c a d c a c a a C a a d , a  
 a c a , a a a d a c ;
- (II) I , b d C a ;
- (III) D , , d , , d a a a C a ;
- (IV) R A c A c a ;



A 92 I ba a c r d a a . a m . . . , c r . . . r a b  
c d d . 92

A 100 U d  $\square$  c c  $\square$  a c , a c a a d  
a b d  $\square$  d a b a d a b a d:

(I) T c a d c a r  $\square$  b a r c c a , c a  
d c a r  $\square$  b a a c a a , d b  
r a r a r a r a r c c a ;

(II) T c a c a a a a r c c a a  
a c a c a c a a a a a c a  
a r c c a a a a a d c a ;

(III) T c a c d c a c c r d d d d c  $\square$  a d d d a a c d  
a a d c a ;

(IV) T d c c a c a a c d a a d c a a  
c d d d c d b a a a r d a  
C  $\square$  a ;

(V) T a d d , c a c d c a c , , , a  
a c ,  $\square$  a c , a c r c C  $\square$  a  
a a c d a a d c a ;

(VI) T c a c d c a c a  $\square$  a d b C  $\square$  a a  
a c r a c c a a c d a a d c a ;

(VII) T c a a  $\square$  c a a  $\square$  , d b

A 101 T ca a d a c d, a a d  
a a a a , a b d a a c a

A 105 A a d c a a , d d c  
a a d a - d a a d da a d d c a .

S c a c d c a a d a a   
c c a c :

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

T c ad c a c c da a ,  
c b ad d c . I c ad c  
b - c ad , d c a c ,  
d acc da c a , ad a , d a a , a d  
A c A ca , a d c c da da , c .

P a , ad c a b d , a  
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  
a c .

I a d c a a d b ad d c a da  
a a d c a d b a c c , a b  
d d b , ab d , a d b ad d c a  
a ac .

A d c a c . W ad c d  
a , b a a b ad d c . T d d  
d c a a a a a ca a  
C a ' a d a d c d a d c . W a a  
d c , b d c a b a b c b d  
a C a La - d , b a c b d  
A c A ca , d d d c a b , b a c b d  
A c A ca , a , c d c a c c  
, aca c b , cc d d c . W b ad d c a  
c a a , - c a a a  
a d d d c , c d d d c a a , b a  
d .

W a a a a d , a a d , a ,  
ac C a d , a d c a d a ca , a ca c a a  
add b ad d c , d d c , a , a  
a C a a d , d b b - c a .

E c , d a ad c c a c , a ad c a b c  
c a d b ad d c .

T c a a a b c da d db a a a d c ,  
a a a a d b - c .

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

A 109 T b a d d c a b acc , ab a a a d  
 c a d :

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

(II) T a ;

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

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

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

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

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

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

( I ) T a d C a ' a a a ; a d  
 C a ' d , a a ( ) , c a c a d c a  
 b a d d c a d d a ;

( ) T d a ' a a , a a d a d a a ;

( I ) T a a a c d c a d a d  
 a , C a ' - d , b d a ;  
 a , a c a d c d a a d a ,  
 d c (ca d da ) a d a a , (ca d da )  
 C a ' , b d a a d a c a , b d a ;

( II ) T , b a c a a C a ;

( III ) T a a a d A c A c a ;

( IV ) T d c d d c a d a b a c , c C a ;

( V ) T d c d c d a , d a d , c C a '  
 - d , b d a a d c d , b d a ;

( VI ) T d c d , c c a c b a d d c  
 a d c , a d d - c a c ;

( VII ) T ca d da d d d c a a d  
 a a d a c d d d c ;



A 112 T d d d c a a d b a d  
d c a ; d a d C a ' d c a d b a ;  
a c a a d a c c a a d d a a d d a d c ; b  
a , a a d d d c C a ' a , a a  
a d a a c d .

A 113 T C a a a b d d d c  
T c a b a d d c a a c c a d d d c  
d . T C a , d , a a a d d d c a  
a ; d a a a a d a  
d d d c a ; a C a ' b a  
d d d c a d a c c a .

A 114 T d d d c a a c a  
a a d a c b d C a L a ,  
a a , a a a a d A c A c a .

(I) A a a d a a a c (a d d a c  
c , d b c c a C a ' a a  
d ) , b c a a b b a d d c a  
a b , b d b a d d c d c a a a  
b d d d c . W b a d d c a a ,  
C a ' a d a a a c , c a  
c , a , b d d d c . P a , d  
b d d d c , a d a a b a d  
, d d a c a c , a a b a , d ;

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

(III) T , b a a c a b a d d c d a a d a  
a ;

(IV) T c b a d d c ;

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

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

W d d d c c , c a d a c b d  
a a a (I) a d (II) A c , a a a b , b d b a d d c  
d c , c b a a d d d c ;  
a a a (III), (IV) a d (VI), a b a d b a a d d  
d c ; a d a a a (V), a b a d b a d d d c . A  
a c a a d , c a d b d d d c a  
b b b C a . I a b d a a , d , c a d  
a , a b b c d , C a a d c a c c d .

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

A 115 I add , c a d a d a b ,  
d d d c a , d d b a d d c  
a d ' c a b :

(I) T a , a d c ;

(II) T a d a a ;

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

(IV) W a a , (a d d acc da c c ,  
, d b c c a C a ' a a d )  
) a a ac b  
C a ' a d , d ac c a d , a  
a , a b a d b b a d d c a d '  
, a d c a , a b a b C a  
c d b ;

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

T d d d c a c a a d  
, c :

(1) C ;

(2) R a a d a ;

(3) Ob c a d a ;

(4) I ab a c a d a .

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

T c C a ' d a a b a c d  
b a b a c P a a a 1 .

A 117 T c a a b a d d c a c .  
, c a d :

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

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

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

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

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

A 118 R a a b a d d c a b d a a ,  
a a a a a a a a d a b c d b c a a .  
N c a b a d d c a b a a 14 d a  
a d a c . I c d a a c a b a d d c a a a  
a d c a d a d a d , a c a  
a c c c c a d .

A a d a b a d d c a b d d a a  
c a , :

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

(II) J d b a d d c ;

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

(IV) J d b a d d d c ;

(V) P d b b a d , ;

(VI) P d b a a a .

A a a b c a b b a d d c c  
b a d d c .

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

N c a b a d d c a b a a 14 da  
ad a c a d a a a d a a b a a da ad a c  
a d c , a d a a a . T c b a d d c  
b a c a b a a c  
a d c , a d a a a b a d , a , a , a d .  
A c a b a d a b c d b a d c d  
c d a b .

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

A 120 U a d b L R A c  
A c a , b a d d c a b d a a  
d c ( c , d a a d c a d . b a ) a .

E a d c a a . U d d A c  
A c a , a b a d d c b a d b a a  
d c C a .

W a a c a b a d a a a , c a a  
b a d d c a a a c a .

A 121 D c a a d b a d d c . I  
a a d c , a b a d a a a , a a a  
d c b a a a a d b a . T  
a a c a a .

T d c a d a a c c  
a a . W a d c a a b a d d c a d  
a a a a c b a , a d d c a b d d a  
a d a a .

A 122 U d c a c c a c c d a d  
a a d c a a , a d c a a ,  
b a d d c c a a c a c , a a c a a a  
a a a c a c a ( a d d L R  
S c E c a . ) a a a ; a d a b c , d d d  
a a , a a :

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



**C 11 / D**

**A 124** T C a a a a c a b a d d c d c ,  
 a c C a a d a b a c c , a b C a a d  
 b a d d c .

**A 125** T c a C a ' b a d d c a b a a , a  
 a , a d a d c , a d a b a d  
 b b a d d c . T a d c a a b :

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

(II) T , a , a a a d , b b C a  
 a d d c a , d b a a ;

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

**A 126** A d c a a a C a a  
 c c a c a b a d d c . A a c c , a a c c ,  
 a d b C a a a c c a c c a b a d  
 d c .

I a d c a a c c a a b a d  
 d c , a a c , b a d b d c a d c a b a d  
 d c a a , c d c a a c c a c c a  
 b a d d c a a , c a c b c a a c .

**C 12 G M C /**

**A 127** T C a a a a a a , a b a d  
 b d c a d a d a d d b b a d d c .

**A 128** T a a a C a a b a c c , a b b a d  
 d c a d c a , c a d :

(I) T a a d c a d b a C a a d a a .  
 a a a , b a d d c ;

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

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

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



R r a a b a d r a b d a a c

A 136 T c d b a d , : ac ,  
 a a b a d b b a d , d  
 .

T c d a : T ac , a  
 a b a a ab a . T a d , a a c  
 a d c c ad ac c ad , c a a  
 a a c c a a , a d a c  
 a b d d a ab a d , a a a  
 ca a a b d d a ab a d .

T b a d , a b a d b - d  
 a b b b a d .

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

A 138 A a ab c d a , c a a  
 a d acc , a ac c a d b b a d ,  
 c a d a b b b C a .

A 139 S a , r d acc da c  
 a , ad a a a d A c 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 C a a c c a a :

(I) a a c d a ca ac ;

(II) a a b d c d c , b b ,  
 a a a ab a c a  
 c c d a a 5 a a a d c c  
 a d ; a a b d d ca , ac  
 ca a 5 a a a d c c a d ;

(III) a a d c , ac a a a a a  
 a c a c a b d , da  
 b ca a a a d a ab c , c  
 c a , a 3 a a a d c da  
 c a d , da c a ;



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

(III) A d c d c d a a c a c d  
a 5% , a d a C a a c a  
a 5 a a d C a , c a ' d c  
a ;

(IV) A a a , d c c a c d a b a ;



(II) N d c a c d a a a a d C a a c r d b  
 d c a d  
 a a a a ; r a d a a a  
 C a ; , a d c r c a a c r  
 a a c c a c :

1. R r d b a ;
2. P r b c a a ;
3. T a d c , r , a a a a  
 a d a a a r .

Ga d d b a d c , a a a a , c a a a a d  
 a a a a a A c a b b C a ; a  
 c a d C a a c a d b r c a .

A 146 D c , r , a a a a a d a a a  
 C a a a c a a ( c c d - )  
 d a a d c , r , a a a a a d a a a  
 b d d :

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

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

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

(IV) C a c a d c , r , a a a a a d  
 a a a C a , a a r (I),  
 (II) a d (III) a d c , r , a a a a a d  
 a a a C a a d a c c ;

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

A 147 T b a d c , r , a a a a a d  
 a a a C a a c a d  
 c , a d c d a b a C a c a d c  
 a c r a a c . O b a a c r r c  
 da c a a r d d a a c a  
 a d b a a a d a c c c d a d c c c c a c r d  
 c a b C a a d a a a d .





(IV)  $R = \langle c, d \mid (bc)^2 = c^2 \rangle$ ,  $c = db$   
 $a = dc$ ,  $r = a^2$ ,  $a^2 = a^2$   
 $\square = c, r = d, a = b, c = db$   $C = a$  ;

(V)  $R = \langle a, d \mid c, r = a^2 \rangle$   
 $a^2 = a^2$ ,  $r = d = a = d = ab = a = d = \square = c$   
 $r = d, a = b = ad$   $C = a$  .

**A 157**  $T = \langle C = a, a = c, d = \square = c = ac = \square = d = c = ad \rangle$   
 $r = a = a = a, r = bc = a = a = a = a = a$   
 $T = a = ad = a = c, d$  :

(I)  $R = \langle a = a = d = c, r = a^2 \rangle$   $C = a$  ;

(II)  $R = \langle a = a = d = c, r = a^2 \rangle$ ,  $r = b = da$   
 $C = a$  ;

(III)

**A 158** T C a a c c ac c c, d d d d c  
 , a a a C a b a ,  
 d c , C a a c a  
 a a c , b c a da a .  
 T a a d a C a c, d a :

(I) A ad b a a a d ;

(II) A ad b a a ca b c  
 a c a d C a . T d a c  
 a d a a A c 57 A c A ca .

A c db a d c , a A c  
 a b acc a d a d , a d a d d c  
 , a b a d b a d , c  
 a b d d c d a d .

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

**A 159** T C a a a a c a acc ,  
 acc da c a , ad a a d PRC acc , a da d  
 a d b c a c a a Sa C , c .

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

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

**A 162** T a c a C a a b ad a a ab

A 163 T a c a a C a a b a d acc da c  
 PRC acc a da d a d a a a acc a  
 a da d acc a da d a ac I a a  
 d c b a c a a a d, d acc a da d,  
 r c d c a b a d a c a a . T C a a  
 d b a - a a ca a ba d a a ,  
 a ad a c a a .

A 164 T 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 acc a da d acc a da d a  
 ac .

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

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

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

I a , c , d , c a ,  
 c d a , c a a b , d a , ad  
 b a a , c , d d a a c d a a .

A a , c , d d a , a - a ,  
 d c a c , d a a b d a , a a a  
 , ad a a a .

A C a a ad , a d ad a ca a ,  
 , d , a a d b d , b a d b  
 a d .

I a d ' a a ab b d b ,  
 a d b C a a , a da ca , d  
 a , d b d b , d C a b  
 a d .

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

A 168 Ca a c r d  :

(I) P a a a a a a a a a a ;

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

(1) W C a a d d a ca ca a  
 d , a a , d d d d b d ca  
 a b a 80% a d b ;

(2) W C a a d d a ca ca a  
 d , a a , d d d d b d ca  
 a b a 40% a d b ;

(3) W C a a d a ca ca a  
 d , a a , d d d d b d ca  
 a b a 20% a d b ;

I ca a d c d C a ' a d  
 b C a a ca ca a d , a a ,  
 d b a b d a , a c d .

U d c a c c a c , d b a 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 c  
 a a d c a d d d c , a .I c  
 c a C a ' a a d a ca  
 a d d a d ' a a , c  
 d b a , c a b c d .

(VI) I a d b ab a a ca -ba dd b ad  
 a d b a d d c c d a c -ba dd b a  
 a a a d , c -ba dd b a b ad d .  
 W C a d c c a , c d b , d  
 , c d a ca a a , c d b a c  
 ca a C a a d c d c , c  
 d b a d a c d , a d b a a .  
 a a a d .

(VII) I C a c d d a ca a b b a d d c  
 d d ca d b a a d a ca a ,  
 a a a b ad , a a d b  
 a d , a 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 a a d  
 a a ca d d d c .

(I) I d b c ad, db C a acc d .  
a b c d , ad, d  
c a a a ad b CSRC a d  
c c a ; a c c ad, b a db  
C a ' b ad d c a d b ad , b , b  
a d ' a a . T a d ' a  
a b c d . T d d d c  
a d d .

( ) I a a d a cc, C a ' , d, C a a  
d d c ca a ca d , c a d a a , a .

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

A a , ad b a d a ad a c ca b d  
, b r c ad 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 PRC. T a a ab c a d '  
d d d a b d , b c d b da , .

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

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

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

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

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

T C a a a a d a -  
 d a ca b ac d, d c d, d d  
 db a a d r a :

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

(II) U 12- a d, C a a a r c  
 a a ( ), a d c c a c a d  
 a a d.

**C 16 A A F**

**A 175** T C a a a a d d acc r c  
 r a d r d a r a S a a d a r a a c a  
 a d a c a C a F A c A c a ,  
 c d r b c acc r a r d b C a a a a a c a  
 acc r a .

T C a ' acc r a b a d a a r a  
 a r a a acc r a d a d c  
 r c c r a r a a .

I a r a d c r d c d a a a ,  
 a b c d b b a d d c .

**A 176** T acc r a d b C a a d c  
 c c r a r a a a c a d r  
 c c r a r a a .

**A 177** T acc r a d b C a a a  
 :

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

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

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



T acc, ab, a c a c a  
c a a d, a a a, a d d  
c a a a c c a C a  
acc,

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

A acc, a b ac, a c a a a  
add C a . T ad c a a c da d  
a add C a a a da c d c . T ad c  
a c, d a :

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

2. A a a , c a b d c d.

T C a a a d a c c d c d .

**A 184** M . . . C a a b . . . : . . . b ab  
 a d . . . b c . . . da . . .

I . . . C a , a c c d a c c , d a . . .  
 a . . . a d a b a c a d . . . T C a a  
 . . . a c d . . . 10 da a ad . . . a d a a  
 a , c . . . a . . . 30 da . C d , d , . . . 30 da b . . .  
 . . . d , . . . d c . . . c , . . . 45 da . . . b c a , c . . . ,  
 . . . C a a a d b . . . d c . . . d . . . a a . . .

T c d ' . . . a d d b . . . a c c da . . . C a  
 a b . . . d b c a , b . . . a . . . b . . . ab d  
 c a . . .

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

I . . . d . . . C a , a c c d a c c , d a  
 d . . . a . . . a d a b a c a d . . . T C a a  
 . . . a c d . . . 10 da a ad . . . d . . . a d a a  
 a , c . . . a . . . 30 da .

T c a a a d . . . a b a . . . ab . . . d b . . . C a  
 b d . . . H . . . , b . . . d . . . C a a d c d a . . . d  
 . . . a . . . c a c c c . . . a . . . d b , . . . . . . d  
 a . . .

**A 186** C a . . . d a c a a . . . a . . . d . . .  
 C a a b . . . d . . . c a . . . a a . . . a c c d . . . a .  
 I C a . . . d , a c a c a . . . a . . . a b c d a c c d . . .  
 a . I a . . . c a . . . ab d , . . . a . . . , c . . . ab . . . a b . . . ab d  
 a d . . . d a c c d . . . a .

**C 18 D . . . L . . . C /**

**A 187** T C a a b d . . . d a d . . . da d a c c d . . . a a  
 . . . c c a c :

- (I) E . . . a . . . b . . . ;
- (II) T . . . a . . . a . . . d d . . . C a ;
- (III) M . . . d . . . C a a a d , . . . ;
- (IV) T C a . . . d c a d b a , . . . a c c d . . . a b c a . . . , ab a  
 . . . d b a . . . a d ;
- (V) T C a . . . c d d . . . d . . . a . . . a a d a d . . . a .  
 . . . , a . . . a c c d a c . . . a ;

(IV) I C ma a r b a a d a a a d  
c a a c a a a d , a d  
r ca b r d r a c a , a d d  
a 10% a C ma a r  
c r d C ma a .

A 188 I a c c a c a a d a a a (I) A c 187  
A c A ca , C ma a c r a a d  
A c A ca .

I A c A ca a d d r b c a a d ,



**A 195** A c... , da... C... a... , da...  
c... a... a... da... a d... a d... d... a... a d...  
acc... b... c... da... da d, a... a d... b a C... c... d...  
r b c acc... a... a... b... a... a... a... a... c...  
a... c... a...

T... da... c... a... 30 da... a... b a... c... a...  
a... a... c... a... a... , r b... a... a d d c... a...  
c... a... a... a... , a da... ca c... a... C... a... a d...  
a... r c... a... C... a...

**A 196** M... b... , da... c... , d b... a... d...  
a d... da... d... acc d... a...

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

I a... b... , da... c... ca... C... a... c d... ,  
d b a... d... c... a b ab... c... a...

**A 197** W... C... a... d c a d b a... , acc d... a...  
ba... r c... da... b... a d d acc d... a... TJ0 T... -2.36 (a)0.1 T 0... c d... a...

(III) T... b... a... d... b... da... a... d'... a...  
 a a ca r...

T b a d d c a a d A c A c a acc da c  
 , c a d... A c A c a a d a  
 a d' a d a a , d b c a  
 c c d.

A 201 I a d A c A c a a c  
 Ma da P , a d a b , b c a a b c a  
 a a a d a a a d b S a C , c ; a d  
 a C a , d c a a b d , a  
 a.

### C 20 N

A 202 T c C a , a a d a a c r d  
 b d a r a , , r a , c ,  
 d c , a d c c a , a d a a r c a b d  
 a :

(I) B a d ;

(II) B ;

(III) B a 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  
 , L R S c E c a a d L R SSE;

(V) B a a d d a d a;

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

N a d a c a d A c A c a  
 c , b c a c , c ca  
 a , C a a c a , c , c c a c ca b a  
 d d r d (IV) A c ac d d c b a d

A 203 I a a r a c r a  
a ac ☒ C a ' a a d r c d c  
b d a c d, a d, d b d, r d, a r c d b a d d  
a d b E a d C , C a a ( acc da c  
☒ c a d c c d) d a c E C  
a d c c d C a a ad a a .

(II) T a \_ca \_ab a \_ca c C \_aI \_a \_a Ec \_ca dT ad  
 Ab a \_C \_ab a \_ab a \_  
 c H \_K \_I \_a \_a Ab a \_C \_ab a \_  
 c \_ab a \_ . A \_a \_ca \_ab a \_ , b  
 d , \_c a \_ab a \_ , \_a \_a acc \_ab a \_ a  
 ab a b d \_c db \_a \_ca .

I \_a \_ca \_ab a \_c H \_K \_I \_a \_a Ab a \_  
 C \_ab a \_ , \_a \_ca \_ , \_a \_ab a \_ b c d c d  
 S \_ \_c \_ab a \_ , H \_K \_I \_a \_a  
 Ab a \_ C \_ .

(III) S \_d , \_c a \_ (I) b \_a \_ab a \_ a b  
 \_db PRC a \_a \_c \_db a \_ad \_a \_  
 \_a \_ .

(IV) T ab a \_a ad ad b ab a b d a b \_a ad b d .  
 b \_a \_ .

**C 22 / P**

A 206 T R\_ P c d\_ G a M \_ , R\_ P c d\_  
 B ad M \_ a d R\_ P c d\_ M \_ S\_ , \_c ad b  
 c \_d da da \_db G a M \_ , a b \_a d \_A c  
 A \_ca \_ .

A 207 T A c\_ A ca \_ \_C \_ . I ca \_ a  
 d c \_a c \_a \_a \_d \_a \_a , \_a C \_  
 a \_db a d \_d \_c \_a \_a \_a \_a \_ .

A 208 F \_ , A c\_ A ca \_ , \_a \_a \_ ,  
 \_a \_a \_c \_a d \_c d \_a \_ ,  
 \_b \_d-a d \_b \_a \_c \_ .

A 209 T A c\_ A ca \_ a b , b c \_a \_  
 b a d \_d c \_C \_a \_ . A \_a \_c \_d \_a b a \_da  
 a \_d \_ \_b a d \_d c \_ .

A 210 S , d \_b a \_c \_c b \_A c\_ A ca \_  
 a d \_a \_a \_ , ad \_a \_a \_ , \_a \_a \_d c \_a d  
 , \_c \_ca \_ \_c \_C \_a \_ ' a \_a \_d , \_a \_a \_a \_ .

A 211 F \_ , A c\_ A ca \_ , \_acc , \_a \_  
 a \_a \_a \_a \_a d \_ .