

Roll No: 2 2 2 1 6

Booklet SI No: 3378

Time : 45 Minutes
Full Mark : 50
No. of items : 50
No. of Pages : 20
(including rough work)

SMS - 2015-16

PAPER - I - A

SET - B

ସମୟ : 45 ମିନିଟ୍
ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା : 50
ପ୍ରଶ୍ନ ସଂଖ୍ୟା : 50
ପୃଷ୍ଠା ସଂଖ୍ୟା : 20

INSTRUCTIONS TO CANDIDATES

ପରୀକ୍ଷାର୍ଥୀଙ୍କ ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ

Read the following instructions carefully before you open the question booklet

ପ୍ରଶ୍ନ ପୁସ୍ତିକା ଖୋଲିବା ପୂର୍ବରୁ ନିର୍ଦ୍ଦେଶାବଳୀ ଗୁଡ଼ିକୁ ଧ୍ୟାନପୂର୍ବକ ପଢ଼ ।

1. A separate OMR Answer Sheet is supplied for writing the answers. Writedown your application from no. & 12 digit roll number on it as per your Admission Card and darken the appropriate circles on the answer sheets.
2. Check that set code (A,B,C or D) is printed in the booklet and indicate your set code by blackening the appropriate circle in the OMR answer sheet.
3. Do not write anything in thisBooklet except the 12 digit Roll No. however you can use the blank pages provided for the rough work at the end of this booklet.
4. Start answering when you are told to do so. Do not turn the pages before that.
5. Answer all the questions.Each question has four probable answers of which one is correct. You have to choose the correct one and blacken your choice in the OMR answer sheet by a black/blue ball point pen. Use of pencil is not allowed. If your choice is second response then answer like this.
(A) ● (C) (D)
6. For wrong answer, there is no deduction of marks. One mark shall be awarded for each correct response.
7. No Mark will be awarded for a question if a candidate darkensmore than one choice.
8. Return the Answer Sheet only to the invigilator as soon as the final bell rings.
9. English version of the question paper will be considered as final if any dispute arises out of variation in translated version.

୧. ଉତ୍ତର ଲେଖିବା ପାଇଁ ଖଣ୍ଡିତ ଅଲଗା OMR ଉତ୍ତର କାର୍ଡ ଦିଆଯାଇଛି । ସେଥିରେ ତୁମର ଆଡମିସନ୍ କାର୍ଡରେ ଲେଖାଥିବା ଦରଖାସ୍ତ ଫର୍ମ ନମ୍ବର ଏବଂ ବାର ଅଙ୍କ ବିଶିଷ୍ଟ ରୋଲ ନଂ ଲେଖା ଏବଂ ଉତ୍ତର ଫର୍ମର ଉପଯୁକ୍ତ ଗୋଲେଇକୁ ଜଳା କର ।
୨. ତୁମ ପ୍ରଶ୍ନ ପୁସ୍ତିକାରେ ସେଟ୍ କୋଡ୍ (A,B,C କିମ୍ବା D)ଲେଖା ଅଛି କି ନାହିଁ ଯାଞ୍ଚ କରିନିଅ ଏବଂ ତୁମର ସେଟ୍ କୋଡ୍‌ଟିକୁ ଚିହ୍ନିତ କରିବା ପାଇଁ OMR ଉତ୍ତର ଫର୍ମରେ ଉପଯୁକ୍ତ ଗୋଲେଇଟିକୁ ଜଳା କର ।
୩. ରୋଲ ନମ୍ବର ବ୍ୟତିତ ଅନ୍ୟ କିଛି ଏହି ପୁସ୍ତିକାରେ ଲେଖା ନାହିଁ କିନ୍ତୁ ରଫ୍ କାମ ପାଇଁ ଉଦ୍ଦିଷ୍ଟ କାର୍ଡରେ ରଫ୍ କାମ କରିପାରିବ ।
୪. ଯେତେବେଳେ କୁହାଯିବ ଉତ୍ତର ଦେବାକୁ ଆରମ୍ଭ କର ତା ପୂର୍ବରୁ ପୃଷ୍ଠା ଗୁଡ଼ିକ ଓଲଟାଓ ନାହିଁ ।
୫. ସମସ୍ତ ପ୍ରଶ୍ନର ଉତ୍ତର ଦିଅ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଚାରୋଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯାଇଛି ସେଥିରୁ ଗୋଟିଏ ହେଉଛି ଠିକ୍ ଉତ୍ତର । ଠିକ୍ ଉତ୍ତରଟି ବାଛି OMR କାର୍ଡରେ ଥିବା ଗୋଲେଇଟିକୁ ଜଳା କର । ଏଥିପାଇଁ ବୁଲ୍ ପିନ୍ ବ୍ୟବହାର କର । ପେନ୍ ବ୍ୟବହାର କରିବାକୁ ଅନୁମତି ନାହିଁ । ଯଦି ତୁମେ ଦୁଇ ନମ୍ବର ଗୋଲେଇ ନିଜର ଉତ୍ତର ଗୋଲେଇ ବାଛି ତାହା ହେଲେ ଏପରି କରିବ ।
(A) ● (C) (D)
୬. ପ୍ରତ୍ୟେକ ଠିକ୍ ଉତ୍ତର ପାଇଁ ଏକ ନମ୍ବର ଦିଆଯିବ । ଭୁଲ ଉତ୍ତର ପାଇଁ ନମ୍ବର କଟାଯିବ ନାହିଁ ।
୭. ଗୋଟିଏ ପ୍ରଶ୍ନ ପାଇଁ ଯଦି ଗୋଟିଏରୁ ଅଧିକ ଗୋଲେଇ ଜଳା କର ତାହାହେଲେ କୌଣସି ନମ୍ବର ଦିଆଯିବ ନାହିଁ ।
୮. ଶେଷ ଘଣ୍ଟ ବାଜିବା କ୍ଷଣି କେବଳ OMR ଉତ୍ତର କାର୍ଡ ନିରୀକ୍ଷକଙ୍କୁ ଦିଅ ।
୯. ଓଡ଼ିଆ ଅନୁବାଦରେ କୌଣସି ତ୍ରୁଟିଥିଲେ ଇଂରାଜୀ ଭାଷାର ବିବରଣୀକୁ ନିର୍ଣ୍ଣାୟକ ବୋଲି ଧରାଯିବ ।

Ask for another booklet if it is defective, before you start answering.

ତ୍ରୁଟିଯୁକ୍ତ ପୁସ୍ତିକା ପାଇଥିଲେ ଉତ୍ତର ଦେବା ପୂର୍ବରୁ ବଦଳାଇ ଦିଅ ।

Q (1-4) : Find out the alternative which will replace the question (?) mark.

1. BCFG : HILM :: NORQ : ?
 A. TXWU
 B. TXUW
 C. TUXW
 D. TVWX
2. ZRYQ : KCJB :: PWOV : ?
 A. GBHA
 B. ELDK
 C. ISJT
 D. EOFP
3. KeaC : CaeK :: XgmF : ?
 A. GmcF
 B. FmgX
 C. EgmX
 D. EmgF
4. Computer : fqprxvht :: Language : ?
 A. oxpidxig
 B. ocqicyig
 C. ocqixcig
 D. ocqixcig

Q (5-8) : Fill in the blanks from the alternatives looking at both letter and number patterns.

5. B_2CD , _____, BCD_4 , B_5CD , BC_6D
 A. B_2C_2D
 B. BC_3D
 C. B_2C_3D
 D. BCD_7

ପ୍ରଶ୍ନ (1-4) : କେଉଁ ବିକଳ୍ପଟି ପ୍ରଶ୍ନ ଚିହ୍ନ ସ୍ଥାନ ପାଇଁ ଉପଯୁକ୍ତ ?

1. BCFG : HILM :: NORQ : ?
 A. TXWU
 B. TXUW
 C. TUXW
 D. TVWX
2. ZRYQ : KCJB :: PWOV : ?
 A. GBHA
 B. ELDK
 C. ISJT
 D. EOFP
3. KeaC : CaeK :: XgmF : ?
 A. GmcF
 B. FmgX
 C. EgmX
 D. EmgF
4. Computer : fqprxvht :: Language : ?
 A. oxpidxig
 B. ocqicyig
 C. ocqixcig
 D. ocqixcig

ପ୍ରଶ୍ନ (5-8) : ଅକ୍ଷର ଓ ସଂଖ୍ୟା କ୍ରମକୁ ଲକ୍ଷ୍ୟକରି ବିକଳ୍ପ ମାନଙ୍କ ମଧ୍ୟରୁ ଠିକ୍ ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ କର ।

5. B_2CD , _____, BCD_4 , B_5CD , BC_6D
 A. B_2C_2D
 B. BC_3D
 C. B_2C_3D
 D. BCD_7

6. X5C, U8F, _____, O17L, L23O
 A. R10K
 B. P12I
 C. R12I
 D. R10I

7. C1A, F4E, H9I, _____, M25U
 A. J16O
 B. K16O
 C. J16M
 D. K16Q

8. B6D, C12I, D20P, _____
 A. E30Y
 B. E25Q
 C. E30S
 D. P20Z

Q (9-11) : Here are some words translated from an artificial language. Answer the related questions.

9. 'aptaose' means 'first base'
 'eptause' means 'second base'
 'lartabuk' means 'ballpark'
 Which word could mean 'baseball' ?
 A. buklarta
 B. oseepta
 C. bukose
 D. oselarta

6. X5C, U8F, _____, O17L, L23O
 A. R10K
 B. P12I
 C. R12I
 D. R10I

7. C1A, F4E, H9I, _____, M25U
 A. J16O
 B. K16O
 C. J16M
 D. K16Q

8. B6D, C12I, D20P, _____
 A. E30Y
 B. E25Q
 C. E30S
 D. P20Z

ପ୍ରଶ୍ନ (9-11) : ନିମ୍ନରେ କିଛି ଶବ୍ଦ ଏକ କୃତ୍ରିମ ଭାଷାକୁ ଅନୁବାଦ କାରାଯାଇଛି । ସଂଲଗ୍ନ ପ୍ରଶ୍ନର ଉତ୍ତର ଦିଅ ।

9. 'aptaose' ର ଅର୍ଥ 'first base'
 'eptause' ର ଅର୍ଥ 'second base'
 'lartabuk' ର ଅର୍ଥ 'ballpark'
 କେଉଁ ଶବ୍ଦର ଅର୍ଥ 'baseball' ?
 A. buklarta
 B. oseepta
 C. bukose
 D. oselarta

10. **'krekinblaf'** means **'workforce'**
'dritakrekin' means **'groundwork'**
'krekinalti' means **'workplace'**
 Which word could mean **'someplace'** ?
- A. moropalti
 B. krekindrita
 C. altiblaf
 D. dritaalti

11. **'relftaga'** means **'carefree'**
'otaga' means **'careful'**
'fertaga' means **'careless'**
 Which word could mean **'aftercare'** ?
- A. zentaga
 B. tagafer
 C. tagazen
 D. relffer

Q (12-15) : Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem figures (ପ୍ରଶ୍ନ ଚିତ୍ର)

12. 
 (A) (B) (C) (D) (E)

- A. 1
 B. 2
 C. 3
 D. 4

10. **'krekinblaf'** ର ଅର୍ଥ **'workforce'**
'dritakrekin' ର ଅର୍ଥ **'groundwork'**
'krekinalti' ର ଅର୍ଥ **'workplace'**
 କେଉଁ ଶବ୍ଦର ଅର୍ଥ **'someplace'** ?
- A. moropalti
 B. krekindrita
 C. altiblaf
 D. dritaalti

11. **'relftaga'** ର ଅର୍ଥ **'carefree'**
'otaga' ର ଅର୍ଥ **'careful'**
'fertaga' ର ଅର୍ଥ **'careless'**
 କେଉଁ ଶବ୍ଦର ଅର୍ଥ **'aftercare'** ?
- A. zentaga
 B. tagafer
 C. tagazen
 D. relffer

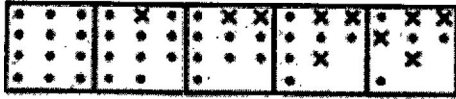
ପ୍ରଶ୍ନ (12-15) : ପାଞ୍ଚଟି ପ୍ରଶ୍ନ ଚିତ୍ରର କ୍ରମକୁ ଅନୁଧ୍ୟାନକରି ସଠିକ୍ ପରବର୍ତ୍ତୀ ଚିତ୍ର ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରୁ ବାଛି ।

Answer figures (ଉତ୍ତର ଚିତ୍ର)

- 
 (1) (2) (3) (4)

- A. 1
 B. 2
 C. 3
 D. 4

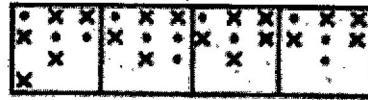
13. Problem figures (ପ୍ରଶ୍ନ ଚିତ୍ର)



(A) (B) (C) (D) (E)

- A. 1
B. 2
C. 3
D. 4

Answer figures (ଉତ୍ତର ଚିତ୍ର)



(1) (2) (3) (4)

- A. 1
B. 2
C. 3
D. 4

Problem figures (ପ୍ରଶ୍ନ ଚିତ୍ର)



(A) (B) (C) (D) (E)

- A. 1
B. 2
C. 3
D. 4

Answer figures (ଉତ୍ତର ଚିତ୍ର)



(1) (2) (3) (4)

- A. 1
B. 2
C. 3
D. 4

15. Problem figures (ପ୍ରଶ୍ନ ଚିତ୍ର)



(A) (B) (C) (D) (E)

- A. 1
B. 2
C. 3
D. 4

Answer figures (ଉତ୍ତର ଚିତ୍ର)



(1) (2) (3) (4)

- A. 1
B. 2
C. 3
D. 4

16. Choose the alternative which closely resembles the water image of 'FAMILY'.

- A. YLIMAF
B. YLIMAF
C. YLIMAF
D. YLIMAF

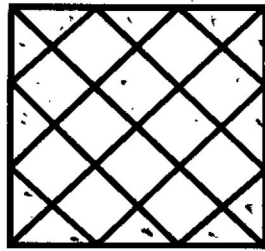
16. 'FAMILY' ର ଜଳ ପ୍ରତିବିମ୍ବ କଣ ?

- A. YLIMAF
B. YLIMAF
C. YLIMAF
D. YLIMAF

Q (17-18) Find the number of triangles in the given figure from the alternatives.

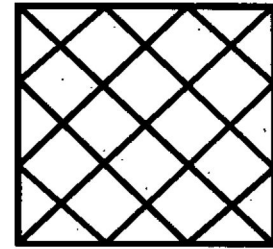
ପ୍ରଶ୍ନ (17-18) ଦତ୍ତ ଚିତ୍ରରେ କେତୋଟି ତ୍ରିଭୁଜ ଅଛି ବିକଳ୍ପ ମଧ୍ୟରୁ ବାଛି ।

17.



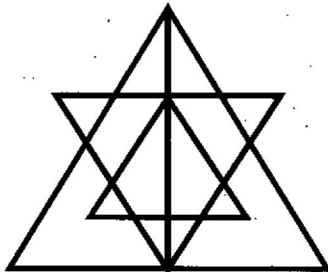
- A. 28
- B. 32
- C. 36
- D. 40

17.



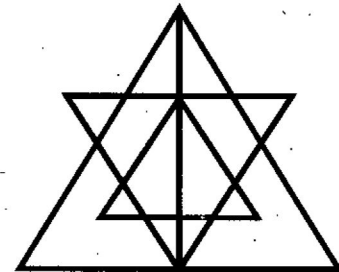
- A. 28
- B. 32
- C. 36
- D. 40

18.



- A. 27
- B. 25
- C. 23
- D. 20

18.



- A. 27
- B. 25
- C. 23
- D. 20

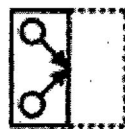
Q (19-20) : Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet (X) is folded at the dotted line.

ପ୍ରଶ୍ନ (19-20) : ସଜ୍ଜ କାଗଜରେ ଅଙ୍କିତ (X) ଚିତ୍ରଟିକୁ ବିନ୍ଦୁ ଚିହ୍ନିତ ସରଳ ରେଖାରେ ଭାଙ୍ଗି କଲେ ବିକଳ୍ପ ମାନଙ୍କ ମଧ୍ୟରୁ କେଉଁ ଚିତ୍ରଟି ହେବ ବାଛି ।

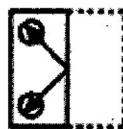
19.



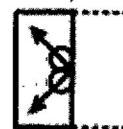
(X)



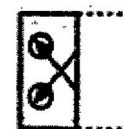
(1)



(2)



(3)

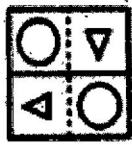


(4)

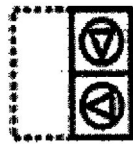
- A. 1
- B. 2
- C. 3
- D. 4

- A. 1
- B. 2
- C. 3
- D. 4

20.



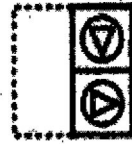
(X)



(1)



(2)



(3)



(4)

A. 1

B. 2

C. 3

D. 4

A. 1

B. 2

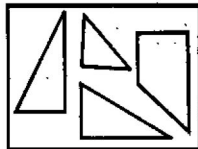
C. 3

D. 4

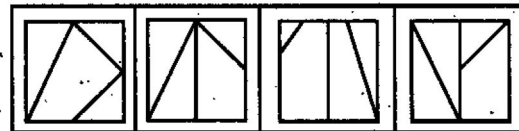
Q (21-23) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).

ପ୍ରଶ୍ନ (21-23) : (X) ରେ ଥିବା ଖଣ୍ଡ ଚିତ୍ର ଗୁଡ଼ିକୁ ନେଇ (1), (2), (3) ଓ (4) ବିକଳ ମାନଙ୍କ ମଧ୍ୟରୁ କେଉଁଟି ତିଆରି କରାଯାଇ ପାରିବ ଚିହ୍ନଟ କର ।

21.



(X)



(1)

(2)

(3)

(4)

A. 1

B. 2

C. 3

D. 4

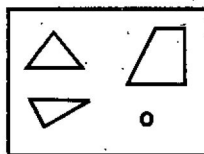
A. 1

B. 2

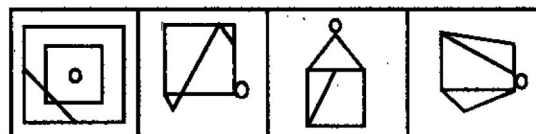
C. 3

D. 4

22.



(X)



(1)

(2)

(3)

(4)

A. 1

B. 2

C. 3

D. 4

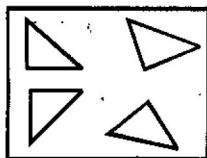
A. 1

B. 2

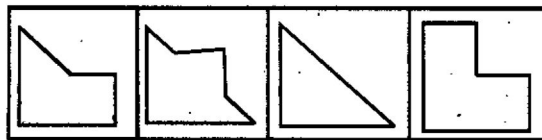
C. 3

D. 4

23.



(X)



(1)

(2)

(3)

(4)

- A. 1
B. 2
C. 3
D. 4

- A. 1
B. 2
C. 3
D. 4

Q (24-26) : Select a suitable figure from the Answer Figures that would replace the question (?) mark.

ପ୍ରଶ୍ନ (24-26) ପ୍ରଶ୍ନ ଚିତ୍ରରେ ଥିବା ପ୍ରଶ୍ନ ଚିହ୍ନ ସ୍ଥାନ ପାଇଁ ଉତ୍ତର ଚିତ୍ରରେ ଥିବା କେଉଁ ବିକଳ୍ପଟି ପ୍ରଯୁଜ୍ୟ ?

Problem figures (ପ୍ରଶ୍ନ ଚିତ୍ର)

24.



(A) (B) (C) (D)

- A. 1
B. 2
C. 3
D. 4

Answer figures (ଉତ୍ତର ଚିତ୍ର)



(1) (2) (3) (4)

- A. 1
B. 2
C. 3
D. 4

Problem figures (ପ୍ରଶ୍ନ ଚିତ୍ର)

25.



(A) (B) (C) (D)

- A. 1
B. 2
C. 3
D. 4

Answer figures (ଉତ୍ତର ଚିତ୍ର)



(1) (2) (3) (4)

- A. 1
B. 2
C. 3
D. 4

26.

Problem figures (ପ୍ରଶ୍ନ ଚିତ୍ର)



(A) (B) (C) (D)

- A. 1
B. 2
C. 3
D. 4

Answer figures (ଉତ୍ତର ଚିତ୍ର)



(1) (2) (3) (4)

- A. 1
B. 2
C. 3
D. 4

27. $X+Y$ means X is the daughter of Y ; $X-Y$ means X is the brother of Y ; $X\%Y$ means X is the father of Y and $X\times Y$ means X is the sister of Y . Which of the following means I is the niece of J ?

- A. $J-N\%C\times I$
B. $I\times C-N\%J$
C. $J+M\times C\%I$
D. $I\times C+N-J$

28. $A\$B$ means A is the father of B ; $A\#B$ means A is the sister of B ; $A*B$ means A is the daughter of B and $A@B$ means A is the brother of B . Which of the following indicates that M is the wife of Q ?

- A. $Q\$R\#T@M$
B. $Q\$R@T\#M$
C. $Q\$R*T\#M$
D. $Q\$R@T*M$

29. $B5D$ means B is the father of D . $B9D$ means B is the sister of D . $B4D$ means B is the brother of D . $B3D$ means B is the wife of D . Which of the following means F is the mother of K ?

- A. $F3M5K$
B. $F5M3K$
C. $F9M4N3K$
D. $F3M5N3K$

27.

$X+Y$ ର ଅର୍ଥ X, Y ର ଝିଅ; $X-Y$ ର ଅର୍ଥ X, Y ର ଭାଇ; $X\%Y$ ର ଅର୍ଥ X, Y ର ବାପା ଏବଂ $X\times Y$ ର ଅର୍ଥ X, Y ର ଭଉଣୀ । ନିମ୍ନ ବିକଳ୍ପ ମଧ୍ୟରୁ କେଉଁଟିର ଅର୍ଥ I, J ର ଝିଆରୀ ?

- A. $J-N\%C\times I$
B. $I\times C-N\%J$
C. $J+M\times C\%I$
D. $I\times C+N-J$

28.

$A\$B$ ର ଅର୍ଥ A, B ର ବାପା । $A\#B$ ର ଅର୍ଥ A, B ର ଭଉଣୀ । $A*B$ ର ଅର୍ଥ A, B ର ଝିଅ ଏବଂ $A@B$ ର ଅର୍ଥ A, B ର ଭାଇ । ନିମ୍ନ ବିକଳ୍ପ ମଧ୍ୟରୁ କେଉଁଟିର ଅର୍ଥ M, Q ର ସ୍ତ୍ରୀ ?

- A. $Q\$R\#T@M$
B. $Q\$R@T\#M$
C. $Q\$R*T\#M$
D. $Q\$R@T*M$

29.

$B5D$ ର ଅର୍ଥ B, D ର ବାପା । $B9D$ ର ଅର୍ଥ B, D ର ଭଉଣୀ । $B4D$ ର ଅର୍ଥ B, D ର ଭାଇ ଓ $B3D$ ର ଅର୍ଥ B, D ର ସ୍ତ୍ରୀ । ନିମ୍ନ ବିକଳ୍ପ ମଧ୍ୟରୁ କେଉଁଟିର ଅର୍ଥ F, K ର ମା ?

- A. $F3M5K$
B. $F5M3K$
C. $F9M4N3K$
D. $F3M5N3K$

Q (30-32) : P, T, V, R, M, D, K and W are sitting around a circular table facing the Centre. V is second to the left of T. T is fourth to the right of M. D and P are not immediate neighbours of T. D is third to the right of P. W is not an immediate neighbour of P. P is to the immediate left of K.

30. Who is second to the left of K?

- A. P
- B. R
- C. M
- D. W

31. What is R's position with respect to V?

- A. Third to the right
- B. Fifth to the right
- C. Third to the left
- D. Second to the left

32. Who is sitting second to the right of the one who is sitting on the immediate right of W?

- A. U
- B. R
- C. V
- D. P

Q. (33-35) : Choose the terms out of the given alternatives to fill the questions (?) marks.

33. Z, S, W, O, T, K, Q, G, ?, ?

- A. N, C
- B. N, D
- C. O, C
- D. O, D

ପ୍ରଶ୍ନ (30-32) : P, T, V, R, M, D, K ଓ W ଏକ ଗୋଲାକାର ଟେବୁଲର ଚାରିପଟେ ଟେବୁଲ ମଝିକୁ ମୁହଁ କରି ବସିଛନ୍ତି । V, T ର ବାମ ପଟେ ଦ୍ୱିତୀୟ ସ୍ଥାନରେ ବସିଛି । T, M ର ଡାହାଣ ପଟେ ଷର୍ଥ ସ୍ଥାନରେ ବସିଛି । D ଓ P, T ର ଠିକ୍ ପାଖରେ ବସି ନାହାଁନ୍ତି । D, P ର ଡାହାଣ ପଟେ ତୃତୀୟ ସ୍ଥାନରେ ବସିଛି । W, P ର ପାଖରେ ବସିନାହିଁ । P, K ର ଠିକ୍ ବାମ ପଟେ ବସିଛି ।

30. K ର ବାମ ପଟେ ଦ୍ୱିତୀୟ ସ୍ଥାନରେ କିଏ ବସିଛି ?

- A. P
- B. R
- C. M
- D. W

31. V ବସିଥିବା ସ୍ଥାନ ଅନୁସାରେ R ର ସ୍ଥାନ କେଉଁଠି ?

- A. ଡାହାଣକୁ ତୃତୀୟ
- B. ଡାହାଣକୁ ପଞ୍ଚମ
- C. ବାମକୁ ତୃତୀୟ
- D. ବାମକୁ ପଞ୍ଚମ

32. W ର ଠିକ୍ ଡାହାଣ ପଟେ ଯେ ବସିଛି ତା'ର ଡାହାଣ ପଟେ ଦ୍ୱିତୀୟ ସ୍ଥାନରେ କିଏ ବସିଛି ?

- A. U
- B. R
- C. V
- D. P

ପ୍ରଶ୍ନ (33-35) : ଦତ୍ତ ବିକଳ ମଧ୍ୟରୁ ପ୍ରଶ୍ନ ଚିହ୍ନ (?) ର ସ୍ଥାନ ପୂରଣ କର ।

33. Z, S, W, O, T, K, Q, G, ?, ?

- A. N, C
- B. N, D
- C. O, C
- D. O, D

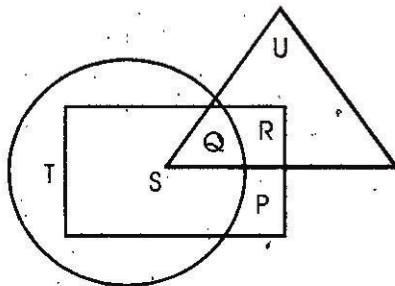
34. ajs, gpy, ? , sbk, yhq

- A. dmv
- B. mve
- C. oua
- D. qzi

35. Z, X, S, I, R, R, ? , ?

- A. J, I
- B. J, K
- C. K, M
- D. G, I

Q (36-38) : Study the following figure and answer the questions given below.



36. By which letter, the married teachers who live in joint family are represented?

- A. R
- B. Q
- C. S
- D. P

37. By which letter, the married people who live in joint family but not are school teachers are represented?

- A. R
- B. U
- C. S
- D. P

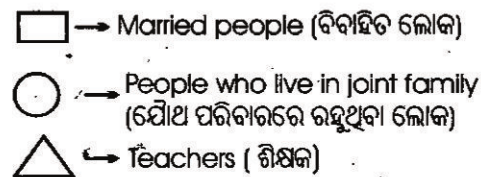
34. ajs, gpy, ? , sbk, yhq

- A. dmv
- B. mve
- C. oua
- D. qzi

35. Z, X, S, I, R, R, ? , ?

- A. J, I
- B. J, K
- C. K, M
- D. G, I

ପ୍ରଶ୍ନ (36-38) : ନିମ୍ନ ଚିତ୍ରକୁ ଅନୁଧ୍ୟାନକରି ତଳ ଲିଖିତ ପ୍ରଶ୍ନ ଗୁଡ଼ିକର ଉତ୍ତର ଦିଅ ।



36. ଯୌଥ ପରିବାରରେ ରହୁଥିବା ବିବାହିତ ଶିକ୍ଷକମାନେ କେଉଁ ଅକ୍ଷର ଦ୍ୱାରା ଚିହ୍ନିତ ହେଉଛନ୍ତି ?

- A. R
- B. Q
- C. S
- D. P

37. ଯୌଥ ପରିବାରରେ ରହୁଥିବା ବିବାହିତ ଲୋକ ଯେଉଁମାନେ ଶିକ୍ଷକ ନୁହଁନ୍ତି, କେଉଁ ଅକ୍ଷର ଦ୍ୱାରା ଚିହ୍ନିତ ହେଉଛନ୍ତି ?

- A. R
- B. U
- C. S
- D. P

38. By which letter people who live in joint family but neither married nor teachers are represented ?

- A. T
- B. R
- C. Q
- D. S

Q (39-42) : All the faces of a cube are painted with red colour. The cube is cut into 64 equal small cubes.

39. How many small cubes have only one face coloured?

- A. 4
- B. 8
- C. 16
- D. 24

40. How many small cubes have no faces coloured?

- A. 24
- B. 8
- C. 16
- D. 0

41. How many small cubes are there whose only three faces are coloured?

- A. 4
- B. 16
- C. 8
- D. 24

42. How many small cubes are there whose two adjacent faces are coloured?

- A. 0
- B. 8
- C. 16
- D. 24

38. ଯୌଥ ପରିବାରରେ ରହୁଥିବା ଲୋକ ଯେଉଁମାନେ ବିବାହିତ ନୁହଁନ୍ତି କି ଶିକ୍ଷକ ନୁହଁନ୍ତି, କେଉଁ ଅକ୍ଷର ଦ୍ୱାରା ଚିହ୍ନିତ ହେଉଛନ୍ତି ?

- A. T
- B. R
- C. Q
- D. S

ପ୍ରଶ୍ନ (39-42) : ଏକ ଘନର ସମସ୍ତ ପାର୍ଶ୍ୱରେ ନାଲି ରଙ୍ଗ ଦିଆଯାଇଛି । ଘନଟିକୁ ସମାନ 64 ଟି ସାନ ଘନରେ ବିଭକ୍ତ କରାଗଲା ।

39. କେତୋଟି ସାନ ଘନର କେବଳ ଗୋଟିଏ ପାର୍ଶ୍ୱରେ ରଙ୍ଗ ଲାଗିଛି ?

- A. 4
- B. 8
- C. 16
- D. 24

40. କେତୋଟି ସାନ ଘନର କୌଣସି ପଟେ ରଙ୍ଗ ଲାଗିନାହିଁ ?

- A. 24
- B. 8
- C. 16
- D. 0

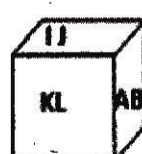
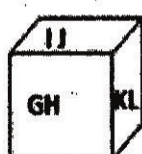
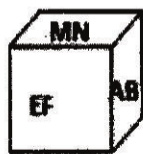
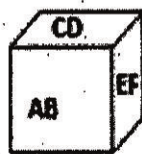
41. କେତୋଟି ସାନ ଘନର କେବଳ ତିନି ପାର୍ଶ୍ୱରେ ରଙ୍ଗ ଲାଗିଛି ?

- A. 4
- B. 16
- C. 8
- D. 24

42. କେତୋଟି ସାନ ଘନର କେବଳ ଦୁଇଟି ପାର୍ଶ୍ୱପାର୍ଶ୍ୱ ପାର୍ଶ୍ୱରେ ରଙ୍ଗ ଲାଗିଛି ?

- A. 0
- B. 8
- C. 16
- D. 24

43. Below four positions of a Die are shown. Which alphabets will be opposite to 'KL'?

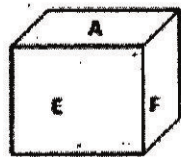
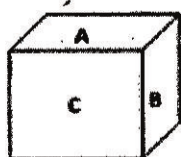


- A. AB
- B. CD
- C. EF
- D. GH

44. If **CONCEPT** is written as 'unmulqr' and **FRIEND** is written as 'ysglmt', then how is **PREDICT** written in that code?

- A. usygmnl
- B. slmgtur
- C. qsltgur
- D. qgmnltr

45. A, B, C, D, E and F are six sides of a cube. Two positions of the cube are shown below. When the surface 'D' is in the bottom, what surface will be on top?



- A. D
- B. A
- C. B
- D. F

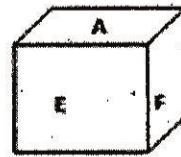
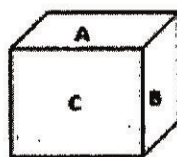
43. ନିମ୍ନରେ ଏକ ଡାଇସର ଚାରୋଟି ଅବସ୍ଥାନ ଦର୍ଶାଯାଇଛି । 'KL' ର ବିପରୀତ ପଟେ କେଉଁ ଅକ୍ଷର ରହିବ ?

- A. AB
- B. CD
- C. EF
- D. GH

44. ଯଦି **CONCEPT** କୁ 'unmulqr' ଓ **FRIEND** କୁ 'ysglmt' ବୋଲି ଲେଖାଯାଏ, ତେବେ **PREDICT** କୁ କେମିତି ଲେଖାଯିବ ?

- A. usygmnl
- B. slmgtur
- C. qsltgur
- D. qgmnltr

45. A, B, C, D, E ଓ F ଏକ ଘନର ୬ ଟି ପାର୍ଶ୍ବ । ନିମ୍ନରେ ଏହାର ଦୁଇଟି ଅବସ୍ଥାନ ଦର୍ଶାଯାଇଛି । 'D' ପାର୍ଶ୍ବ ତଳେ ଥିବା ବେଳେ ଉପରକୁ କେଉଁ ପାର୍ଶ୍ବ ରହିବ ?

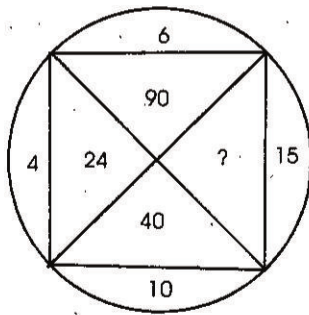


- A. D
- B. A
- C. B
- D. F

Q (46-50) : Which alternative will replace the question (?) mark.

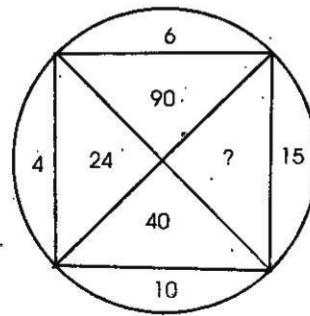
ପ୍ରଶ୍ନ (46-50) : କେଉଁ ବିକଳ୍ପଟି ପ୍ରଶ୍ନ ଚିହ୍ନ ସ୍ଥାନ ପାଇଁ ଉପଯୁକ୍ତ ?

46.



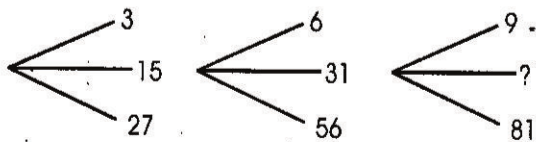
- A. 96
- B. 150
- C. 400
- D. None of these

46.



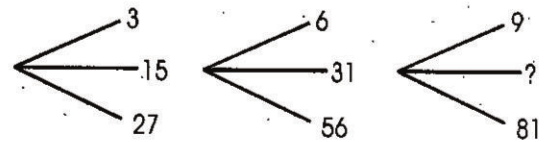
- A. 96
- B. 150
- C. 400
- D. କୌଣସିଟି ନୁହେଁ

47.



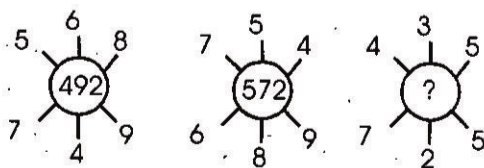
- A. 40
- B. 41
- C. 32
- D. 45

47.



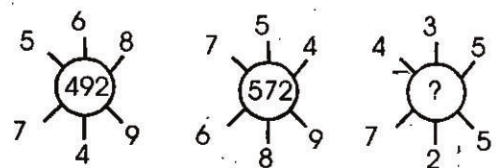
- A. 40
- B. 41
- C. 32
- D. 45

48.



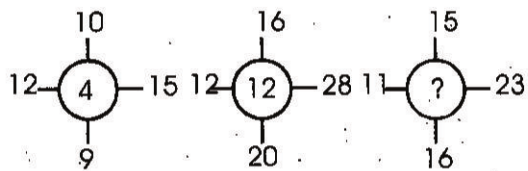
- A. 115
- B. 130
- C. 135
- D. 140

48.

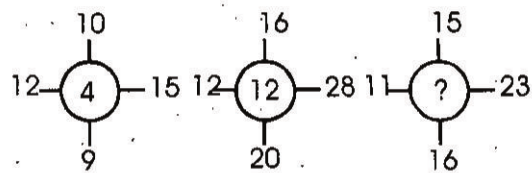


- A. 115
- B. 130
- C. 135
- D. 140

49.



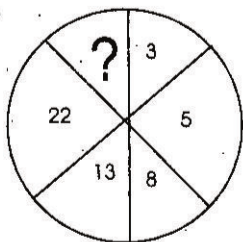
49.



- A. 11
- B. 14
- C. 10
- D. 12

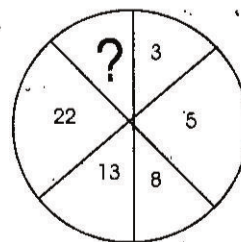
- A. 11
- B. 14
- C. 10
- D. 12

50.



- A. 35
- B. 29
- C. 39
- D. 37

50.



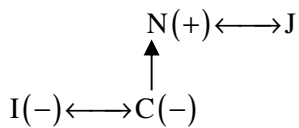
- A. 35
- B. 29
- C. 39
- D. 37

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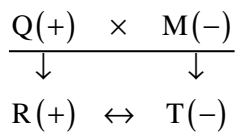
MAT (SET – B)

HINTS & SOLUTION

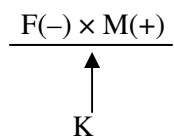
1. C
2. B
3. B
4. C
5. B
6. C
7. B
8. A
9. D
10. A
11. C
12. D
13. C
14. B
15. B
16. D
17. C
18. A
19. B
20. C
21. B or D
22. C
23. C
24. D
25. B
26. D
27. D



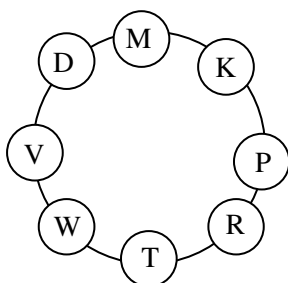
28. D



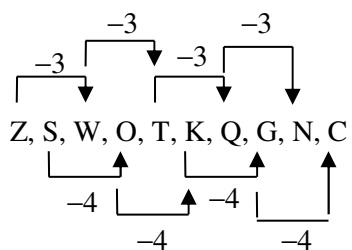
29. A



30. B
31. A
32. D



33. A



34. B
35. D

$$Z \xrightarrow{-2} X \xrightarrow{-5} S \xrightarrow{-10} I \xrightarrow{-17} R \xrightarrow{-26} R \xrightarrow{-37} G \xrightarrow{-50} I.$$

36. B
37. C
38. A
39. D

$$n=4 \\ 6(n-2)^2 = 6 \times 4 = 24$$

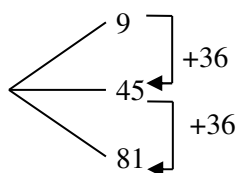
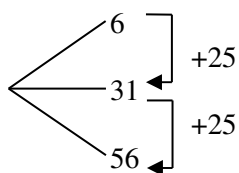
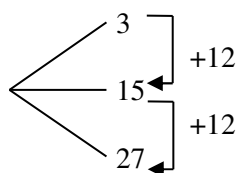
40. B

$$(n-2)^3 \Rightarrow 2^3 = 8$$

41. C
42. D

$$12(n-2) = 12(2) = 24.$$

43. C
44. C
45. B
46. B
47. D



48. B

$$\begin{aligned}5 \times 6 \times 8 &= 240 \\7 \times 4 \times 9 &= 252 \\240 + 252 &= 492\end{aligned}$$

$$\begin{aligned}7 \times 5 \times 4 &= 140 \\6 \times 8 \times 9 &= 432 \\140 + 432 &= 572\end{aligned}$$

$$\begin{aligned}4 \times 3 \times 5 &= 60 \\7 \times 2 \times 5 &= 70 \\60 + 70 &= 130 \text{ (Ans.)}\end{aligned}$$

49. A

$$\begin{aligned}(10 + 15) - (12 + 9) &= 4 \\(28 + 16) - (20 + 12) &= 12 \\(15 + 23) - (11 + 16) &= 11\end{aligned}$$

50. C

$$\begin{aligned}3 \times 2 - 1 &= 5 \\5 \times 2 - 2 &= 8 \\8 \times 2 - 3 &= 13 \\13 \times 2 - 4 &= 22 \\22 \times 2 - 5 &= 39\end{aligned}$$

