

Roll No. : 2 2 1 9

Booklet  
Sl. No. :

25712

Time : 120 Minutes	<b>STM - 2018-19</b>	ସମୟ : 120 ମିନିଟ
Full Mark : 100	<b>PAPER - I</b>	ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା : 100
No. of Items : 100	<b>SET - D</b>	ପ୍ରଶ୍ନ ସଂଖ୍ୟା : 100
No. of Pages : 32 (including rough work)		ପୃଷ୍ଠା ସଂଖ୍ୟା : 32

**INSTRUCTIONS TO CANDIDATES**

Read the following instructions carefully before you open the Question Booklet

1. A separate OMR Answer Sheet is supplied for writing the answers. Write down your Application Form No. & 11 digit Roll Number on it as per your Admission Card and darken the appropriate circles on the answer sheet.
2. Check that Set Code (A, B, C or D) is printed on the Booklet and indicate your set code by blackening the appropriate circle in the OMR Answer Sheet.
3. Do not write anything in this Booklet except the 11 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 darkens more 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 in the translated version.

ପରୀକ୍ଷାର୍ଥୀଙ୍କ ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ

- ପ୍ରଶ୍ନ ପୁସ୍ତିକା ଖୋଲିବା ପୂର୍ବରୁ ନିର୍ଦ୍ଦେଶାବଳୀ ଗୁଡ଼ିକୁ ଧ୍ୟାନପୂର୍ବକ ପଢ଼।
୧. ଉତ୍ତର ଲେଖିବା ପାଇଁ ଖଣ୍ଡିତ ଅଲଗା OMR ଉତ୍ତର କାଗଜ ଦିଆଯାଇଛି। ସେଥିରେ ତୁମର ଆଡମିସନ କାର୍ଡରେ ଲେଖାଥିବା ଦରଖାସ୍ତ୍ର ଫର୍ମ ନମ୍ବର ଏବଂ ଏଗାର ଅଙ୍କ ବିଶିଷ୍ଟ ରୋଲ ନମ୍ବର ଲେଖ ଏବଂ ଉତ୍ତର ଫର୍ମର ଉପଯୁକ୍ତ ଗୋଲେଇକୁ କଳା କର।
  ୨. ତୁମ ପ୍ରଶ୍ନ ପୁସ୍ତିକାରେ ସେନ୍ କୋଡ୍ (A, B, C କିମ୍ବା D) ଲେଖା ଅଛି କି ନାହିଁ ଯାଞ୍ଚ କରିନିଅ ଏବଂ ତୁମର ସେନ୍ କୋଡ୍‌ଟିକୁ ଚିହ୍ନିତ କରିବା ପାଇଁ (OMR) ଉତ୍ତର ଫର୍ମରେ ଉପଯୁକ୍ତ ଗୋଲେଇଟିକୁ କଳା କର।
  ୩. ରୋଲ ନମ୍ବର ବ୍ୟତୀତ ଅନ୍ୟ କିଛି ଏହି ପୁସ୍ତିକାରେ ଲେଖ ନାହିଁ। କିନ୍ତୁ ରଫ୍ କାମ ପାଇଁ ଉଦ୍ଦିଷ୍ଟ କାଗଜରେ ରଫ୍ କାମ କରିପାରିବ।
  ୪. ଯେତେବେଳେ କୁହାଯିବ ଉତ୍ତର ଦେବାକୁ ଆରମ୍ଭ କର ତା ପୂର୍ବରୁ ପୃଷ୍ଠା ଗୁଡ଼ିକ ଓଲଟାଅ ନାହିଁ।
  ୫. ସମସ୍ତ ପ୍ରଶ୍ନର ଉତ୍ତର ଦିଅ। ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଚାରୋଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯାଇଛି। ସେଥିରୁ ଗୋଟିଏ ହେଉଛି ଠିକ୍ ଉତ୍ତର। ଠିକ୍ ଉତ୍ତରଟି ବାଛି OMR କାଗଜରେ ଥିବା ଗୋଲେଇଟିକୁ କଳା କର। ଏଥିପାଇଁ ବ୍ଲୁ କିମ୍ବା ବ୍ଲୁ ବଲ୍‌ପଏଣ୍ଟ ପେନ୍ ବ୍ୟବହାର କରିପାରିବ। ପେନ୍‌ସିଲ୍ ବ୍ୟବହାର କରିପାରିବ ନାହିଁ। ଯଦି ତୁମେ ଦୁଇ ନମ୍ବର ଗୋଲେଇକୁ ନିଜର ଉତ୍ତର ବୋଲି ବାଛ 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 କଳା କର ତାହାହେଲେ କୌଣସି ନମ୍ବର ଦିଆଯିବ ନାହିଁ।
  ୮. ଶେଷ ଘଣ୍ଟି ବାଜିବା କ୍ଷଣି କେବଳ OMR ଉତ୍ତର କାଗଜ 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.**

ଚୂଚିଯୁକ୍ତ ପୁସ୍ତିକା ପାଇଥିଲେ ଉତ୍ତର ଦେବା ପୂର୍ବରୁ ବଦଳାଇ ଦିଅ।

**Directions for question number 1 to 2 :**

For each question, a word is presented in a code language. Follow the same code and find the answer from the alternatives to replace the question mark.

1. If NUMBER : UNBMRE, then GHOST : (?)
- (A) GHSOT (B) GHOTS  
(C) HGSOT (D) HGOST
2. If BEAT : EHDW, then ROAD : (?)
- (A) SQCF (B) URDG  
(C) TQCF (D) URNG

**Directions for question number 3 to 6 :**

Fill in the place of the question mark from the alternatives.

3. A4Z, D7W, ?, J19Q, M28N
- (A) E9U (B) G12T  
(C) H12S (D) F11V
4. ADbc, EHfg, ILjk, ?
- (A) LOmn (B) MPno  
(C) MNop (D) MPon
5. ZXU, XVS, ?, TRO
- (A) VTQ (B) TRQ  
(C) VRQ (D) TVS
6. 9, 4.5, 4.5, 6.75, 13.5, ?, 101.25
- (A) 99.75 (B) 33.75  
(C) 13.5 (D) 40.5

**ପ୍ରଶ୍ନ ସଂଖ୍ୟା 1 ରୁ 2 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :**

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନରେ ଏକ ଶବ୍ଦକୁ ସାଙ୍କେତିକ ଭାଷାରେ ପ୍ରକାଶ କରାଯାଇଛି । ସେହି ଭାଷାରେ ପ୍ରଶ୍ନିତ ଶ୍ଳୋକ ପାଇଁ (?) ବିକଳ୍ପମାନଙ୍କ ମଧ୍ୟରୁ ଉତ୍ତର ବାଛି ।

1. ଯଦି NUMBER : UNBMRE, ତେବେ GHOST : (?)
- (A) GHSOT (B) GHOTS  
(C) HGSOT (D) HGOST
2. ଯଦି BEAT : EHDW, ତେବେ ROAD : (?)
- (A) SQCF (B) URDG  
(C) TQCF (D) URNG

**ପ୍ରଶ୍ନ ସଂଖ୍ୟା 3 ରୁ 6 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :**

ପ୍ରଶ୍ନିତ ଶ୍ଳୋକ ପାଇଁ ବିକଳ୍ପମାନଙ୍କ ମଧ୍ୟରୁ ଉତ୍ତର ବାଛି ।

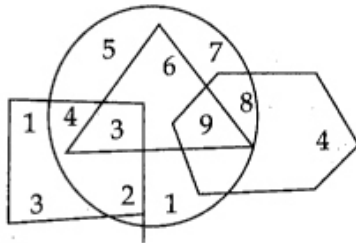
3. A4Z, D7W, ?, J19Q, M28N
- (A) E9U (B) G12T  
(C) H12S (D) F11V
4. ADbc, EHfg, ILjk, ?
- (A) LOmn (B) MPno  
(C) MNop (D) MPon
5. ZXU, XVS, ?, TRO
- (A) VTQ (B) TRQ  
(C) VRQ (D) TVS
6. 9, 4.5, 4.5, 6.75, 13.5, ?, 101.25
- (A) 99.75 (B) 33.75  
(C) 13.5 (D) 40.5

7. Arrange the given words in a meaningful sequence and find the correct sequence from the given alternatives.

- (1) Rain (2) Monsoon  
 (3) Rescue (4) Flood  
 (5) Shelter  
 (A) (1), (2), (3), (4), (5)  
 (B) (1), (2), (4), (5), (3)  
 (C) (2), (1), (4), (3), (5)  
 (D) (4), (1), (2), (3), (5)

Directions for question number 8 to 11 :

Study the figure given below carefully and answer the questions.



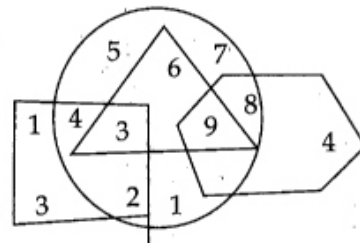
8. What is the product of the numbers which belong to two figures only ?  
 (A) 64 (B) 192  
 (C) 384 (D) 105
9. If numbers in the circle represent women, then how many women are there ?  
 (A) 20 (B) 45  
 (C) 28 (D) 33
10. What is the product of the numbers which belong to three figures only ?  
 (A) 27 (B) 162  
 (C) 648 (D) 54

7. ନିମ୍ନ ଶବ୍ଦଗୁଡ଼ିକୁ ଅର୍ଥପୂର୍ଣ୍ଣ କ୍ରମରେ ସଜାଇ ବିକଳମାନଙ୍କ ମଧ୍ୟରୁ ସଠିକ୍ କ୍ରମଟିକୁ ବାଛି ।

- (1) ବର୍ଷା (2) ମୋସୁନା ବାୟୁ  
 (3) ଭଙ୍ଗାର (4) ବନ୍ୟା  
 (5) ଆଶ୍ରୟସ୍ଥଳ  
 (A) (1), (2), (3), (4), (5)  
 (B) (1), (2), (4), (5), (3)  
 (C) (2), (1), (4), (3), (5)  
 (D) (4), (1), (2), (3), (5)

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 8 ରୁ 11 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ନିମ୍ନରେ ଦିଆଯାଇଥିବା ଚିତ୍ରଟିକୁ ଅନୁଧ୍ୟାନ କରି ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ଦିଅ ।



8. କେବଳ ଦୁଇଟି ଜ୍ୟାମିତିକ ଚିତ୍ରରେ ଥିବା ସଂଖ୍ୟାଗୁଡ଼ିକର ଗୁଣଫଳ କେତେ ?  
 (A) 64 (B) 192  
 (C) 384 (D) 105
9. ଯଦି ବୃତ୍ତ ମଧ୍ୟରେ ଥିବା ସଂଖ୍ୟାଗୁଡ଼ିକ ମହିଳାମାନଙ୍କୁ ଦର୍ଶାଏ, ତେବେ ସମୁଦାୟ କେତେଜଣ ମହିଳା ଅଛନ୍ତି ?  
 (A) 20 (B) 45  
 (C) 28 (D) 33
10. କେବଳ ତିନୋଟି ଜ୍ୟାମିତିକ ଚିତ୍ରରେ ଥିବା ସଂଖ୍ୟାଗୁଡ଼ିକର ଗୁଣଫଳ କେତେ ?  
 (A) 27 (B) 162  
 (C) 648 (D) 54

11. What is the sum of the numbers which belong to two geometrical figures only ?

- (A) 6 (B) 10  
(C) 20 (D) 30

**Directions for question number 12 to 14 :**

In each of the following questions, three statements are given followed by four conclusions numbered (I), (II), (III) and (IV). You have to take the given statements to be true and then decide which of the given conclusions logically follow from the given statements.

12. **Statements :**

Some tigers are lions. Some lions are rabbits. Some rabbits are horses.

**Conclusion :**

- (I) Some tigers are horses  
(II) Some rabbits are tigers  
(III) Some horses are lions  
(IV) All horses are rabbits  
(A) All follow  
(B) None follows  
(C) Only (I) and (II) follow  
(D) Only (II) and (IV) follow

13. **Statements :**

Some dogs are rats. All rats are trees. Some trees are not dogs.

**Conclusion :**

- (I) Some trees are dogs.  
(II) All dogs are trees.  
(III) All rats are dogs  
(IV) No tree is dog.  
(A) None follows  
(B) Only (I) follows  
(C) Only (I) and (II) follow  
(D) Only (II) and (III) follow

11. କେବଳ ଦୁଇଟି ଜ୍ୟାମିତିକ ଚିତ୍ରରେ ଥିବା ସଂଖ୍ୟାଗୁଡ଼ିକର ସମଷ୍ଟି କେତେ ?

- (A) 6 (B) 10  
(C) 20 (D) 30

**ପ୍ରଶ୍ନ ସଂଖ୍ୟା 12 ରୁ 14 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :**

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନରେ ୩ ଗୋଟି ଉକ୍ତି ସହିତ ୪ ଗୋଟି ସିଦ୍ଧାନ୍ତ (I), (II), (III), ଓ (IV) ଦିଆଯାଇଛି । ଉକ୍ତିଗୁଡ଼ିକୁ ଠିକ୍ ବୋଲି ମନେକରି, ବିକଳମାନଙ୍କ ମଧ୍ୟରୁ ଯୁକ୍ତିଯୁକ୍ତ ସିଦ୍ଧାନ୍ତଟିକୁ ଚାଛି ।

12. **ଉକ୍ତି :** କିଛି ବାଘ ସିଂହ ଅଟନ୍ତି । କିଛି ସିଂହ ଠେକୁଆ ଅଟନ୍ତି । କିଛି ଠେକୁଆ ଘୋଡ଼ା ଅଟନ୍ତି ।

**ସିଦ୍ଧାନ୍ତ :**

- (I) କିଛି ବାଘ ଘୋଡ଼ା ଅଟନ୍ତି ।  
(II) କିଛି ଠେକୁଆ ବାଘ ଅଟନ୍ତି ।  
(III) କିଛି ଘୋଡ଼ା ସିଂହ ଅଟନ୍ତି ।  
(IV) ସବୁ ଘୋଡ଼ା ଠେକୁଆ ଅଟନ୍ତି ।  
(A) ସବୁ ସିଦ୍ଧାନ୍ତ ଠିକ୍ ।  
(B) କିଛି ସିଦ୍ଧାନ୍ତ ଠିକ୍ ନୁହେଁ ।  
(C) କେବଳ (I) ଓ (II) ସିଦ୍ଧାନ୍ତ ଠିକ୍ ।  
(D) କେବଳ (II) ଓ (IV) ସିଦ୍ଧାନ୍ତ ଠିକ୍ ।

13. **ଉକ୍ତି :** କିଛି କୁକୁର ମୂଷା ଅଟନ୍ତି । ସବୁ ମୂଷାମାନେ ଗଛ ଅଟନ୍ତି । କିଛି ଗଛ କୁକୁର ନୁହଁନ୍ତି ।

**ସିଦ୍ଧାନ୍ତ :**

- (I) କିଛି ଗଛ କୁକୁର ଅଟନ୍ତି ।  
(II) ସବୁ କୁକୁର ଗଛ ଅଟନ୍ତି ।  
(III) ସବୁ ମୂଷା କୁକୁର ଅଟନ୍ତି ।  
(IV) କୌଣସି ଗଛ କୁକୁର ନୁହେଁ ।  
(A) କିଛି ସିଦ୍ଧାନ୍ତ ଠିକ୍ ନୁହେଁ ।  
(B) କେବଳ (I) ସିଦ୍ଧାନ୍ତ ଠିକ୍ ।  
(C) କେବଳ (I) ଓ (II) ସିଦ୍ଧାନ୍ତ ଠିକ୍ ।  
(D) କେବଳ (II) ଓ (III) ସିଦ୍ଧାନ୍ତ ଠିକ୍ ।

14. **Statements :**  
Some trains are roads. No road is jungle.  
All flowers are jungles.

**Conclusion :**

- (I) Some trains are flowers  
(II) Some trains are jungles  
(III) Some flowers are trains  
(IV) No road is flower  
(A) None follows  
(B) Only (II) follows  
(C) Only (III) follows  
(D) Only (IV) follows
15. Maya starts at point 'T', walks straight to point 'U' which is 4 meters away. She turns left at 90° and walks to 'W' which is 4 meters away turns 90° right and goes 3 meters to 'P', turns 90° right and walks 1 meter to 'Q', turns left at 90° and goes to 'V' which is 1 meter away and once again turns 90° right and goes to 'R' which is 3 meter away. What is the distance between 'T' and 'R' ?  
(A) 4 meter (B) 5 meter  
(C) 7 meter (D) 8 meter
16. A watch gains 5 seconds in 3 minutes and was set right at 8 AM. What time will it show at 10 PM on the same day ?  
(A) 10 : 27 : 41 PM  
(B) 8 : 51 : 04 AM  
(C) 9 : 45 : 15 PM  
(D) 10 : 23 : 20 PM

14. **ଉତ୍ତର:** କିଛି ରେଳ ରାସ୍ତା ଅଟେ। କୌଣସି ରାସ୍ତା ଜଙ୍ଗଲ ନୁହେଁ। ସବୁ ଫୁଲଗୁଡ଼ିକ ଜଙ୍ଗଲ।

**ସିଦ୍ଧାନ୍ତ:**

- (I) କିଛି ରେଳ ଫୁଲ ଅଟେ।  
(II) କିଛି ରେଳ ଜଙ୍ଗଲ ଅଟେ।  
(III) କିଛି ଫୁଲ ରେଳ ଅଟେ।  
(IV) କୌଣସି ରାସ୍ତା ଫୁଲ ନୁହେଁ।  
(A) କିଛି ସିଦ୍ଧାନ୍ତ ଠିକ୍ ନୁହେଁ।  
(B) କେବଳ (II) ସିଦ୍ଧାନ୍ତ ଠିକ୍।  
(C) କେବଳ (III) ସିଦ୍ଧାନ୍ତ ଠିକ୍।  
(D) କେବଳ (IV) ସିଦ୍ଧାନ୍ତ ଠିକ୍।
15. ମାୟା 'T' ସ୍ଥାନରୁ ଆରମ୍ଭ କରି ସିଧା 4 ମିଟର 'U' ପର୍ଯ୍ୟନ୍ତ ଗଲା। ସେଠାରୁ ବାମକୁ 90° ବୁଲି 4 ମିଟର 'W' ପର୍ଯ୍ୟନ୍ତ ଗଲା। ସେଠାରୁ 90° ଡାହାଣକୁ ବୁଲି 'P' ପର୍ଯ୍ୟନ୍ତ 3 ମିଟର ଗଲା ଓ ପୁଣି ଡାହାଣକୁ 90° ବୁଲି 1 ମିଟର 'Q' ପର୍ଯ୍ୟନ୍ତ ଗଲା। ପୁଣି ବାମକୁ 90° ବୁଲି 1 ମିଟର 'V' ପର୍ଯ୍ୟନ୍ତ ଗଲା। ଶେଷରେ ଡାହାଣକୁ 90° ବୁଲି 3 ମିଟର 'R' ପର୍ଯ୍ୟନ୍ତ ଗଲା। 'T' ଓ 'R' ମଧ୍ୟରେ ଦୂରତା କେତେ ?  
(A) 4 ମିଟର (B) 5 ମିଟର  
(C) 7 ମିଟର (D) 8 ମିଟର
16. ଗୋଟିଏ ଘଣ୍ଟା 3 ମିନିଟରେ 5 ସେକେଣ୍ଡ ଅଧିକା ଚାଲେ ଯାହାକୁ ସକାଳ 8ଟାରେ ଠିକ୍ ସମୟ କରାଗଲା। ସେହି ଦିନ ରାତି 10ଟାରେ ଘଣ୍ଟାଟିରେ କେତେ ସମୟ ହୋଇଥିବ ?  
(A) 10 : 27 : 41 PM  
(B) 8 : 51 : 04 AM  
(C) 9 : 45 : 15 PM  
(D) 10 : 23 : 20 PM

17. A clock is set right at 4 A.M. on Sunday. The clock loses 20 minutes in 24 hours. What will be the correct time when the clock indicates 3 A.M. on Wednesday ?

- (A) 4 AM (B) 5 AM  
(C) 2 AM (D) 4.30 AM

18. A child went 90m in the East to look for his father, then he turned right and went 20m. After this he turned right and after going 30m he reached to his uncle's house. His father was not there. From there he went 100m to his north and met his father. How far did he meet his father from the starting point ?

- (A) 80m (B) 100m  
(C) 140m (D) 260m

19. If  $A \times B$  means A is to the south of B;  $A + B$  means A is to the north of B;  $A \% B$  means A is to the east of B;  $A - B$  means A is to the west of B; then in  $P \% Q + R - S$ , S is in which direction with respect to Q ?

- (A) South-West (B) South-East  
(C) North-East (D) North-West

20. A clock is started at noon. By 10 minutes past 5 PM on the same day, the hour hand has turned through :

- (A)  $145^\circ$  (B)  $150^\circ$   
(C)  $155^\circ$  (D)  $160^\circ$

17. ଗୋଟିଏ ଘଣ୍ଟା 24 ଘଣ୍ଟାରେ 20 ମିନିଟ୍ ପଛୁଆ ଚାଲେ । ରବିବାର ଦିନ ଭୋର 4ଟାରେ ଘଣ୍ଟାଟିକୁ ଠିକ୍ ସମୟରେ ରଖାଗଲା । ତେବେ ବୁଧବାର ଦିନ ଘଣ୍ଟାଟିରେ ଭୋର 3ଟା ବାଜିଥିବା ଦେଖାଇଲେ, ପ୍ରକୃତ ସମୟ କେତେ ହୋଇଥିବ ?

- (A) 4 AM (B) 5 AM  
(C) 2 AM (D) 4.30 AM

18. ଜଣେ ପିଲା ତା'ର ବାପାକୁ ଖୋଜିବାପାଇଁ ପୂର୍ବକୁ 90ମିଟର ଯାଇ ସେଠାରୁ 20ମିଟର ଡାହାଣକୁ ଗଲା । ସେଠାରୁ ପୁଣି ଡାହାଣକୁ 30ମିଟର ଯାଇ କକାଙ୍କ ଘରେ ପହଞ୍ଚି ବାପାକୁ ପାଇଲା ନାହିଁ । ସେଠାରୁ 100ମିଟର ଉତ୍ତରକୁ ଯାଇ ବାପାକୁ ଦେଖାଇଲା । ଆରମ୍ଭ ସ୍ଥାନରୁ କେତେ ଦୂରରେ ତାର ବାପାକୁ ଦେଖା ହେଲା ?

- (A) 80m (B) 100m  
(C) 140m (D) 260m

19. ଯଦି  $A \times B$  ର ଅର୍ଥ A, B ର ଦକ୍ଷିଣ ଦିଗରେ ଅବସ୍ଥିତ;  $A + B$  ର ଅର୍ଥ A, B ର ଉତ୍ତର ଦିଗରେ ଅବସ୍ଥିତ;  $A \% B$  ର ଅର୍ଥ A, B ର ପୂର୍ବ ଦିଗରେ ଅବସ୍ଥିତ;  $A - B$  ର ଅର୍ଥ A, B ର ପଶ୍ଚିମ ଦିଗରେ ଅବସ୍ଥିତ; ତେବେ  $P \% Q + R - S$  ରେ S, Q ର କେଉଁ ଦିଗରେ ରହିବ ?

- (A) ଦକ୍ଷିଣ-ପଶ୍ଚିମ (B) ଦକ୍ଷିଣ-ପୂର୍ବ  
(C) ଉତ୍ତର-ପୂର୍ବ (D) ଉତ୍ତର-ପଶ୍ଚିମ

20. ଠିକ୍ ମଧ୍ୟାହ୍ନରେ ଏକ ଘଣ୍ଟା ଚାଲିବା ଆରମ୍ଭ କଲା । ସେହିଦିନ ଅପରାହ୍ନ 5 ଘଣ୍ଟା 10ମିନିଟ୍‌କୁ ଘଣ୍ଟା କଣ୍ଠାଟି କେତେ ଡିଗ୍ରୀ କୋଣ ଅତିକ୍ରମ କରିବ ?

- (A)  $145^\circ$  (B)  $150^\circ$   
(C)  $155^\circ$  (D)  $160^\circ$

**Directions for question number 21 to 24 :**

Each of the questions below consists of a question and two statements numbered (I) and (II) given below it. You have to decide whether the data provided in the statements are sufficient to answer the question by selecting from the following options.

- (1) (I) alone is sufficient while (II) alone is not sufficient
- (2) (II) alone is sufficient while (I) alone is not sufficient
- (3) Either (I) or (II) is sufficient
- (4) Neither (I) nor (II) is sufficient

21. A, B and C have money with them respectively in the ratio of 5 : 4 : 1 then, how much money does B have ?

- (I) A has ₹ 48 more than C.
  - (II) The money with B is ₹ 30 less than A.
- (A) 1 (B) 2  
(C) 3 (D) 4

22. How is X related to Y ?

- (I) Y and Z are children of D who is wife of X.
  - (II) R's sister X is married to Y's father.
- (A) 1 (B) 2  
(C) 3 (D) 4

23. How many doctors are practicing in this town ?

- (I) There is one doctor per seven hundred residents.
  - (II) There are 16 wards with each ward having as many doctors as the number of wards.
- (A) 1 (B) 2  
(C) 3 (D) 4

**ପ୍ରଶ୍ନ ସଂଖ୍ୟା 21 ରୁ 24 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :**

ନିମ୍ନରେ ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନରେ ଦୁଇଟି ବିବାଚନା (I) ଓ (II) ଦେଇ ରହିଛି । ପ୍ରଶ୍ନରେ ଦିଆଯାଇଥିବା ତଥ୍ୟକୁ ବିଚାରକରି ବିବାଚନା ଦୁଇଟିର ସମ୍ପର୍କ ବିଷୟରେ ସଠିକ୍ ବିକଳ୍ପଟିକୁ ଚାଛି ।

- (1) କେବଳ (I) ଯଥେଷ୍ଟ, କିନ୍ତୁ କେବଳ (II) ଯଥେଷ୍ଟ ନୁହେଁ ।
- (2) କେବଳ (II) ଯଥେଷ୍ଟ, କିନ୍ତୁ କେବଳ (I) ଯଥେଷ୍ଟ ନୁହେଁ ।
- (3) (I) କିମ୍ବା (II) କେହିବି ଯଥେଷ୍ଟ ।
- (4) (I) କିମ୍ବା (II) କେହି ଯଥେଷ୍ଟ ନୁହେଁ ।

21. A, B ଓ C କ ପାଖରେ ଥିବା ଟଙ୍କାର ଅନୁପାତ ଯଥାକ୍ରମେ 5 : 4 : 1. ତେବେ B ପାଖରେ କେତେ ଟଙ୍କା ଅଛି ?

- (I) A ପାଖରେ C ଠାରୁ 48 ଟଙ୍କା ଅଧିକ ଅଛି ।
  - (II) B ପାଖରେ A ଠାରୁ 30 ଟଙ୍କା କମ୍ ଅଛି ।
- (A) 1 (B) 2  
(C) 3 (D) 4

22. X ର Y ସହିତ ସମ୍ପର୍କ କଣ ?

- (I) Y ଓ Z, D ର ପିଲା ଅଟନ୍ତି ଓ D, X ର ସ୍ତ୍ରୀ ଅଟନ୍ତି ।
  - (II) R କର ଭଉଣୀ X, Y କର ବାପାକୁ ବିବାହ କରିଛନ୍ତି ।
- (A) 1 (B) 2  
(C) 3 (D) 4

23. ସହରଟିରେ କେତେଜଣ ଡାକ୍ତର କାମ କରୁଛନ୍ତି ?

- (I) ସହରଟିରେ 700 ଲୋକଙ୍କ ପାଇଁ ଜଣେ ଡାକ୍ତର ଅଛନ୍ତି ।
  - (II) ସହରଟିରେ 16 ସାହିଅଛି ଓ ସାହି ସଂଖ୍ୟା ଯେତିକି ପ୍ରତି ସାହିରେ ସେତିକି ଜଣ ଡାକ୍ତର ଅଛନ୍ତି ।
- (A) 1 (B) 2  
(C) 3 (D) 4

24. Among T.V.B.E and C, who is the third from the top when arranged in the descending order of their weights ?

(I) B is heavier than T and C and is less heavy than V who is not the heaviest.

(II) C is heavier than only T.

(A) 1 (B) 2

(C) 3 (D) 4

Directions for question number 25 to 28 :

For each question, a word is presented in a code language. Follow the same code and find the answer from the alternatives.

25. If FRIEND is coded as HUMJTK, how is CANDLE written in that code ?

(A) EDRIRL (B) DCQHQB

(C) ESJFME (D) DEQJQM

26. In a certain code, '247' means 'spread red carpet'; '256' means 'dust one carpet' and '234' means 'one red carpet'. Which digit in that code means "dust" ?

(A) 2 (B) 3

(C) 5 (D) 6

27. If ROSE is coded as 6821. CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH ?

(A) 246173 (B) 214673

(C) 214763 (D) 216473

24. T.V.B.E ଓ C କୁ ସେମାନଙ୍କ ଓଜନ ଅନୁସାରେ ଅଧିକରୁ କମ୍ କ୍ରମରେ ସଜାଡ଼ିଲେ, ଚତୁର୍ଥ ସ୍ଥାନରେ କିଏ ରହିବ ?

(I) B ର ଓଜନ T ଓ C ଠାରୁ ଅଧିକ କିନ୍ତୁ V ଠାରୁ କମ୍ । V ସମସ୍ତଙ୍କ ଠାରୁ ଅଧିକ ଓଜନ ନୁହେଁ ।

(II) C କେବଳ T ଠାରୁ ଅଧିକ ଓଜନ ।

(A) 1 (B) 2

(C) 3 (D) 4

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 25 ରୁ 28 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନରେ ଏକ ଶବ୍ଦକୁ ସାଙ୍କେତିକ ଭାଷାରେ ପ୍ରକାଶ କରାଯାଇଛି । ସେହି ଭାଷାରେ ବିକଳମାନଙ୍କ ମଧ୍ୟରୁ ପ୍ରଶ୍ନଟିର ଉତ୍ତର ଚାହିଁ ।

25. ଯଦି FRIEND କୁ ସଂକେତରେ HUMJTK ବୋଲି ଲେଖାଯାଏ, ତେବେ ସେହି ସଂକେତରେ CANDLE କୁ କଣ ଲେଖାଯିବ ?

(A) EDRIRL (B) DCQHQB

(C) ESJFME (D) DEQJQM

26. ଏକ ସାଙ୍କେତିକ ଭାଷାରେ '247' ର ଅର୍ଥ 'spread red carpet'; '256' ର ଅର୍ଥ 'dust one carpet' ଓ '234' ର ଅର୍ଥ 'one red carpet'. ସେହି ଭାଷାରେ କେଉଁ ସଂଖ୍ୟାର ଅର୍ଥ 'dust' ?

(A) 2 (B) 3

(C) 5 (D) 6

27. ଯଦି ସଂକେତରେ ROSE କୁ 6821, CHAIR କୁ 73456 ଓ PREACH କୁ 961473 ବୋଲି ଲେଖାଯାଏ, ତେବେ ସେହି ସଂକେତରେ SEARCH କୁ କଣ ଲେଖାଯିବ ?

(A) 246173 (B) 214673

(C) 214763 (D) 216473



28. In a certain coding language, if GO = 32 & SHE = 49 then SOME will be equal to ?

- (A) 56 (B) 58  
(C) 62 (D) 64

Directions for question number 29 to 30 :

Select the number from the alternatives to fill up the question mark(?) in the number series.

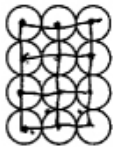
29. 7, 9, 8, 6, 10, 9, 5, 11, 10, ?, 12

- (A) 5 (B) 11  
(C) 29 (D) 4

30. 1, 3, 2, 6, 3, 11, 4, 18, 5, ?

- (A) 27 (B) 11  
(C) 23 (D) 29

31. In the adjoining figure, if the centers of all the circles are joined by horizontal and vertical lines, then find the number of squares that can be formed.



- (A) 6 (B) 7  
(C) 8 (D) 1

28. ଏକ ସାଙ୍କେତିକ ଭାଷାରେ, ଯଦି GO = 32 ଓ SHE = 49 ତେବେ ସେହି ଭାଷାରେ SOME = କେତେ ହେବ ?

- (A) 56 (B) 58  
(C) 62 (D) 64

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 29 ରୁ 30 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ପ୍ରଶ୍ନଟିର ସ୍ଥାନରେ ଠିକ୍ ସଂଖ୍ୟା ମାନକ୍ରମରେ ସଠିକ୍ ସଂଖ୍ୟାଟି ବାଛି ।

29. 7, 9, 8, 6, 10, 9, 5, 11, 10, ?, 12

- (A) 5 (B) 11  
(C) 29 (D) 4

30. 1, 3, 2, 6, 3, 11, 4, 18, 5, ?

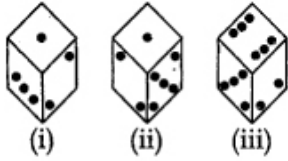
- (A) 27 (B) 11  
(C) 23 (D) 29

31. ନିମ୍ନ ଚିତ୍ରରେ ପାଖାପାଖି ବୃତ୍ତ ଗୁଡ଼ିକର କେନ୍ଦ୍ରବିନ୍ଦୁମାନଙ୍କୁ ଉଭୟ ଲମ୍ବ ଓ ଆନୁଭୂମିକ ସରଳରେଖା ମାନଙ୍କଦ୍ୱାରା କ୍ରମାନ୍ୱୟରେ ସଂଯୋଗ କଲେ ସେହି ଚିତ୍ରରେ କେତୋଟି ବର୍ଗକ୍ଷେତ୍ର ଗଠିତ ହେବ ?



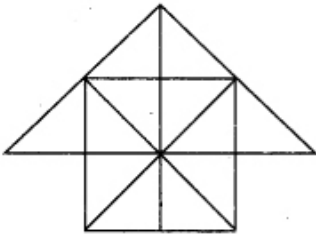
- (A) 6 (B) 7  
(C) 8 (D) 1

32. Based on the given positions of the dice find the number of dots on the face opposite to the face with one dot.



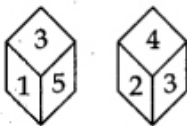
- (A) 2 (B) 3  
(C) 4 (D) 6

33. Count the number of triangles and squares in the given figure.



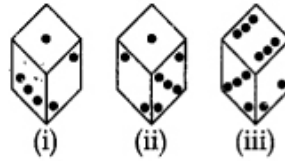
- (A) 26 triangles, 5 squares  
(B) 28 triangles, 5 squares  
(C) 26 triangles, 6 squares  
(D) 28 triangles, 6 squares

34. Based on the given positions of the dice find out which number is opposite to 3.



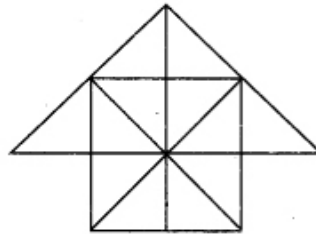
- (A) 1 (B) 6  
(C) 5 (D) 4

32. ଲୁଚୁଗୋଟିର ଦିଆଯାଇଥିବା ଅବସ୍ଥାଗୁଡ଼ିକୁ ବିଚାରକରି ଗୋଟିଏ ବିନ୍ଦୁଥିବା ପାଖର ବିପରୀତ ପଟେ କେତୋଟି ବିନ୍ଦୁ ଅଛି ନିର୍ଣ୍ଣୟ କର।



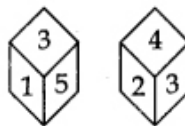
- (A) 2 (B) 3  
(C) 4 (D) 6

33. ଦିଆ ଯାଇଥିବା ଛବିରେ ତ୍ରିଭୁଜ ଓ ଚତୁର୍ଭୁଜ ସଂଖ୍ୟା ଗଣନା କର।



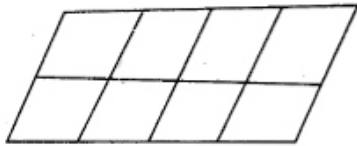
- (A) 26 ତ୍ରିଭୁଜ, 5 ଚତୁର୍ଭୁଜ  
(B) 28 ତ୍ରିଭୁଜ, 5 ଚତୁର୍ଭୁଜ  
(C) 26 ତ୍ରିଭୁଜ, 6 ଚତୁର୍ଭୁଜ  
(D) 28 ତ୍ରିଭୁଜ, 6 ଚତୁର୍ଭୁଜ

34. ଲୁଚୁଗୋଟିର ଦିଆଯାଇଥିବା ଅବସ୍ଥାଗୁଡ଼ିକୁ ବିଚାରକରି 3ର ବିପରୀତ ପଟେ କେଉଁ ସଂଖ୍ୟା ଅଛି ନିର୍ଣ୍ଣୟ କର।



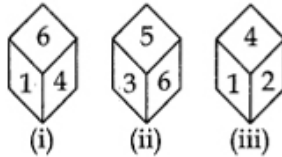
- (A) 1 (B) 6  
(C) 5 (D) 4

35. How many parallelograms are there in the following figure ?



- (A) 12 (B) 20  
(C) 29 (D) 30

36. Based on the given positions of the dice find out which number is opposite to 2.



- (A) 6 (B) 5  
(C) 3 (D) 1

Directions for question number 37 to 38 :

Fill in the blanks in the letter series.

37.  $xy\_z\_xxyx\_px\_yxzpx\_yxzpx$

- (A)  $xpzxx$  (B)  $yxxyzx$   
(C)  $yxzpx$  (D)  $zyxpy$

38.  $aab\_aa\_bbb\_aaa\_bbba$

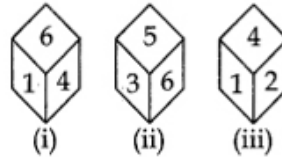
- (A)  $abba$  (B)  $baab$   
(C)  $aaab$  (D)  $abab$

35. ନିମ୍ନ ଚିତ୍ରରେ କେତୋଟି ସାମନ୍ତରିକକ୍ଷେତ୍ର ଅଛି ?



- (A) 12 (B) 20  
(C) 29 (D) 30

36. ଲୁଚିଗୋଟିର ଦିଆଯାଇଥିବା ଅବସ୍ଥାଗୁଡ଼ିକୁ ବିଚାରକରି 2ର ବିପରୀତ ପଟେ କେଉଁ ସଂଖ୍ୟା ଅଛି ନିର୍ଣ୍ଣୟ କର।



- (A) 6 (B) 5  
(C) 3 (D) 1

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 37 ରୁ 38 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ସଂଖ୍ୟାକ୍ରମରେ ଥିବା ଶୂନ୍ୟସ୍ଥାନ ଗୁଡ଼ିକୁ ପୂରଣ କର।

37.  $xy\_z\_xxyx\_px\_yxzpx\_yxzpx$

- (A)  $xpzxx$  (B)  $yxxyzx$   
(C)  $yxzpx$  (D)  $zyxpy$

38.  $aab\_aa\_bbb\_aaa\_bbba$

- (A)  $abba$  (B)  $baab$   
(C)  $aaab$  (D)  $abab$

Directions for question number 39 to 42 :

Each of these questions is based on the information given : 8 person E, F, G, H, I, J, K and L are seated around a square table - two on each side. There are 3 ladies who are not seated next to each other. J is between L and F. G is between I and F. H, a lady member is second to the left of J. F, a male member is seated opposite to E, a lady member. There is a lady member between F and I.

39. What is true about J and K ?

- (A) J is male, K is female  
 (B) J is female, K is male  
 (C) Both are female  
 (D) Both are male

40. Who among the following are three lady members ?

- (A) E, H and J      (B) E, F and G  
 (C) E, H and G      (D) C, H and J

41. Who among the following is to the immediate left of F ?

- (A) G      (B) I  
 (C) J      (D) H

42. How many persons are seated between K and F ?

- (A) 1      (B) 2  
 (C) 3      (D) 4

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 39 ରୁ 42 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ନିମ୍ନ ସୂଚନାଗୁଡ଼ିକ ଉପରେ ଆଧାରିତ । E, F, G, H, I, J, K ଓ L ନାମ 8 ଜଣ ବ୍ୟକ୍ତି ଏକ ବର୍ଗାକାର ଟେବୁଲର ପ୍ରତ୍ୟେକ ପଟେ ୨ ଜଣ ଲେଖାଏଁ ବସିଛନ୍ତି । ସେମାନଙ୍କ ମଧ୍ୟରେ 3 ଜଣ ମହିଳା ପରସ୍ପର ନିକଟରେ ବସି ନାହାନ୍ତି । J, L ଓ F କ ମଝିରେ ବସିଛନ୍ତି । G, I ଓ F କ ମଝିରେ ବସିଛନ୍ତି । H, ଯେକି ଜଣେ ମହିଳା, J କର ବାମପଟେ ଦ୍ୱିତୀୟ ସ୍ଥାନରେ ବସିଛନ୍ତି । F, ଯେକି ଜଣେ ପୁରୁଷ ସେ E ନାମକ ମହିଳାଙ୍କର ବିପରୀତ ପଟେ ବସିଛନ୍ତି । F ଓ I କ ମଧ୍ୟରେ ଜଣେ ମହିଳା ବସିଛନ୍ତି ।

39. J ଓ K କ ବିଷୟରେ କେଉଁ ଉକ୍ତିଟି ସତ୍ୟ ?

- (A) J ପୁରୁଷ ଓ K ମହିଳା  
 (B) J ମହିଳା ଓ K ପୁରୁଷ  
 (C) ଉଭୟ ମହିଳା  
 (D) ଉଭୟ ପୁରୁଷ

40. ସେମାନଙ୍କ ମଧ୍ୟରେ ତିନିଜଣ ମହିଳା କେଉଁମାନେ ?

- (A) E, H ଓ J      (B) E, F ଓ G  
 (C) E, H ଓ G      (D) C, H ଓ J

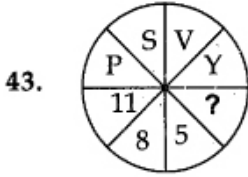
41. ଟେବେ 'F' କର ଠିକ୍ ବାମପଟେ କିଏ ବସିଛନ୍ତି ?

- (A) G      (B) I  
 (C) J      (D) H

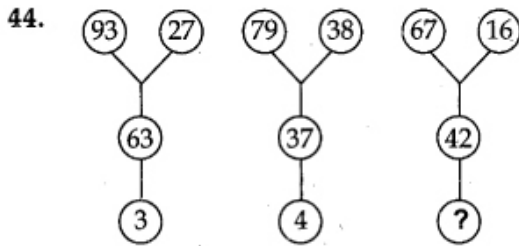
42. K ଓ F କ ମଝିରେ କେତେଜଣ ବସିଛନ୍ତି ?

- (A) 1      (B) 2  
 (C) 3      (D) 4

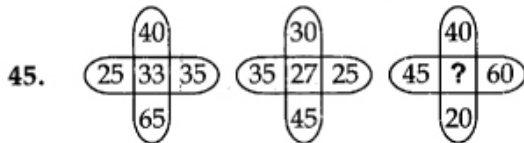
Directions for question number 43 to 47 :  
Which alternative will replace the question mark ?



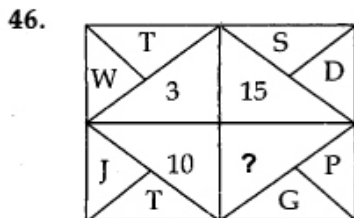
- (A) 3 (B) 2  
(C) 7 (D) 6



- (A) 5 (B) 6  
(C) 8 (D) 9

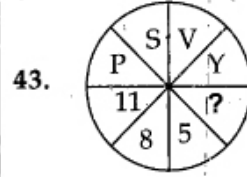


- (A) 36 (B) 32  
(C) 30 (D) 60

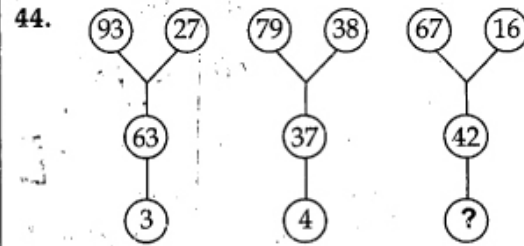


- (A) 5 (B) 9  
(C) 11 (D) 13

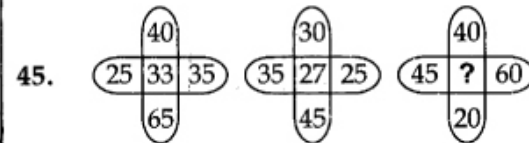
ପ୍ରଶ୍ନ ସଂଖ୍ୟା 43 ରୁ 47 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :  
ପ୍ରଶ୍ନଚିହ୍ନ ପ୍ରାନ୍ତରେ କେଉଁ ବିକଳ୍ପଟି ରହିବ ?



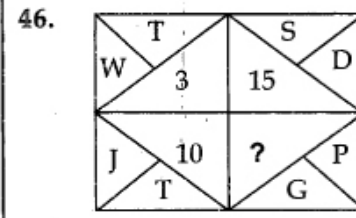
- (A) 3 (B) 2  
(C) 7 (D) 6



- (A) 5 (B) 6  
(C) 8 (D) 9



- (A) 36 (B) 32  
(C) 30 (D) 60



- (A) 5 (B) 9  
(C) 11 (D) 13

47. 

2	3
12	6

4	5
28	8

6	7
?	10
- (A) 38 (B) 44  
(C) 52 (D) 40

48. If '+' means 'x', 'x' means '-', '÷' means '+', '-' means '÷', then  $175 - 25 \div 5 + 20 \times 3 + 10 = ?$
- (A) 77 (B) 160  
(C) 240 (D) 2370

49. If '+' means '÷', '÷' means '-', '-' means 'x', 'x' means '+', then  $12 + 6 \div 3 - 2 \times 8 = ?$
- (A) -2 (B) 2  
(C) 4 (D) 8

Directions for question number 50 to 51 :

Choose the alternative which closely resembles the water-image of the given combination.

50. VAYU8436  
(A) VAYU8436 (B) VAYU843E  
(C) VAYU8439 (D) VAYU843E
51. ACOUSTIC  
(A) ACOUSTIC (B) ACOUSTIC  
(C) ACOUSTIC (D) ACOUSTIC

47. 

2	3
12	6

4	5
28	8

6	7
?	10
- (A) 38 (B) 44  
(C) 52 (D) 40

48. ଯଦି '+' ର ଅର୍ଥ 'x', 'x' ର ଅର୍ଥ '-', '÷' ର ଅର୍ଥ '+', '-' ର ଅର୍ଥ '÷', ହୁଏ ତେବେ  $175 - 25 \div 5 + 20 \times 3 + 10 = ?$
- (A) 77 (B) 160  
(C) 240 (D) 2370

49. ଯଦି '+' ର ଅର୍ଥ '÷', '÷' ର ଅର୍ଥ '-', '-' ର ଅର୍ଥ 'x', 'x' ର ଅର୍ଥ '+', ହୁଏ ତେବେ,  $12 + 6 \div 3 - 2 \times 8 = ?$
- (A) -2 (B) 2  
(C) 4 (D) 8

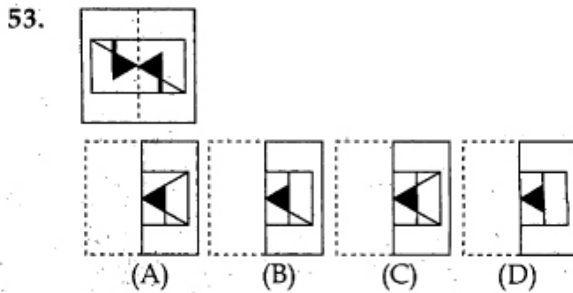
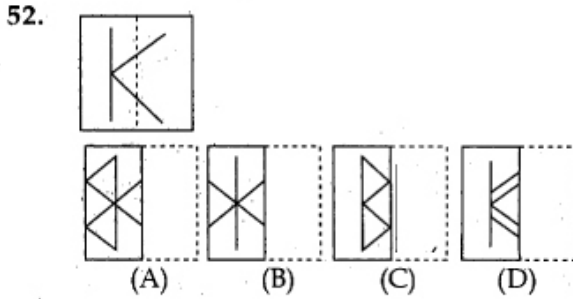
ପ୍ରଶ୍ନ ସଂଖ୍ୟା 50 ରୁ 51 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ବିକଳମାନଙ୍କ ମଧ୍ୟରୁ କେଉଁଟି ଦିଆ ଯାଇଥିବା ସଂଯୋଜନାଟିର ସଠିକ୍ ଜଳଚିତ୍ର!

50. VAYU8436  
(A) VAYU8436 (B) VAYU843E  
(C) VAYU8439 (D) VAYU843E
51. ACOUSTIC  
(A) ACOUSTIC (B) ACOUSTIC  
(C) ACOUSTIC (D) ACOUSTIC

Directions for question number 52 to 53 :

Find out from the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



Directions for question number 54 to 56 :

In each of the questions, there are some words translated from an artificial language. Study them and answer the attached question.

54. *aptaose* means first base; *epptaose* means second base; *lartabuk* means ballpark. Which word could mean "baseball" ?

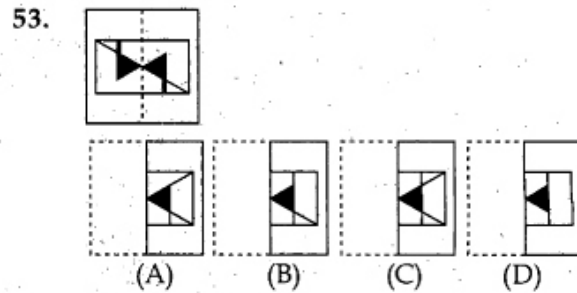
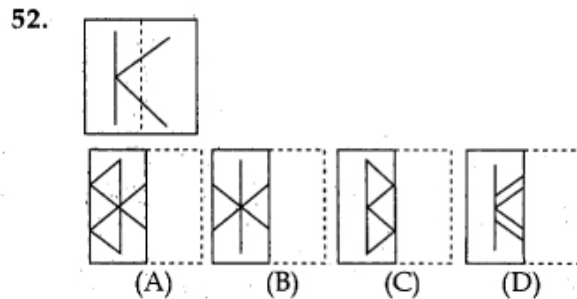
- (A) bukarta                      (B) oselarta  
(C) bukose                      (D) osepta

55. *Plekapaki* means fruitcake; *pakishillen* means cakewalk; *treftalan* means buttercup.

- Which word could mean "cupcake" ?  
(A) shillenanalan              (B) treftpleka  
(C) pakitreft                      (D) alanpaki

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 52 ରୁ 53 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ସଜ୍ଜା କାଗଜରେ ଛୋଇଥିବା ଚିତ୍ରଟିକୁ ବିସ୍ତୃତ ହିଁସାରେ ଛାନ୍ଦିଲେ ତଳେ ଦିଆଯାଇଥିବା ବିକଳମାନଙ୍କ ମଧ୍ୟରୁ ଯେଉଁ ଚିତ୍ରଟିକୁ ବାଛିବେ



ପ୍ରଶ୍ନ ସଂଖ୍ୟା 54 ରୁ 56 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନରେ କିଛି ଶବ୍ଦକୁ କୃତ୍ରିମ ଭାଷାରେ ଅନୁବାଦ କରାଯାଇଛି । ଏହାକୁ ଅନୁଧ୍ୟାନ କରି ସଂଯୋଜିତ ପ୍ରଶ୍ନର ଉତ୍ତର ଦିଅ ।

54. *aptaose* ର ଅର୍ଥ first base; *epptaose* ର ଅର୍ଥ second base; *lartabuk* ର ଅର୍ଥ ballpark. କେଉଁ ଶବ୍ଦର ଅର୍ଥ "baseball" ?

- (A) bukarta                      (B) oselarta  
(C) bukose                      (D) osepta

55. *Plekapaki* ର ଅର୍ଥ fruitcake; *pakishillen* ର ଅର୍ଥ cakewalk; *treftalan* ର ଅର୍ଥ buttercup. କେଉଁ ଶବ୍ଦର ଅର୍ଥ "cupcake" ?

- (A) shillenanalan              (B) treftpleka  
(C) pakitreft                      (D) alanpaki

56. *krekinblaf* means work force; *dritakrekin* means goundwork; *krekinalti* means workplace.

Which word could mean "someplace"?

- (A) moropalti (B) krekindrita  
(C) altiblaf (D) dritaalti

Directions for question number 57 to 59 :

*All the opposite faces of a big cube are colored with red, black and green. After that it is cut into 64 small equal cubes. then.....*

57. How many small cubes are there whose no faces are coloured ?

- (A) 0 (B) 8  
(C) 16 (D) 4

58. How many small cubes are there whose 3 faces are coloured ?

- (A) 24 (B) 4  
(C) 16 (D) 8

59. How many small cubes are there where one face is green and other one is either black or red ?

- (A) 28 (B) 8  
(C) 16 (D) 24

56. *krekinblaf* ର ଅର୍ଥ work force; *dritakrekin* ର ଅର୍ଥ goundwork; *krekinalti* means workplace

କେଉଁ କେଉଁ ଶବ୍ଦର ଅର୍ଥ "someplace"?

- (A) moropalti (B) krekindrita  
(C) altiblaf (D) dritaalti

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 57 ରୁ 59 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

*ଏକ ବଡ଼ ଘନର ବିପରୀତ ପାର୍ଶ୍ୱଗୁଡ଼ିକୁ ନାଲି, କଳା ଓ ସବୁଜ ରଙ୍ଗ ଦିଆଗଲା । ତା'ପରେ ଏହାକୁ ସମାନ 64 ଟି ସାନ ଘନ କରି ଦିଆଗଲା । କେତେ.....*

57. କେତୋଟି ସାନଘନର କୌଣସି ପାର୍ଶ୍ୱ ରଙ୍ଗିତ ନୁହେଁ ?

- (A) 0 (B) 8  
(C) 16 (D) 4

58. କେତୋଟି ସାନଘନର ତିନୋଟି ପାର୍ଶ୍ୱ ରଙ୍ଗିତ ରହିବ ?

- (A) 24 (B) 4  
(C) 16 (D) 8

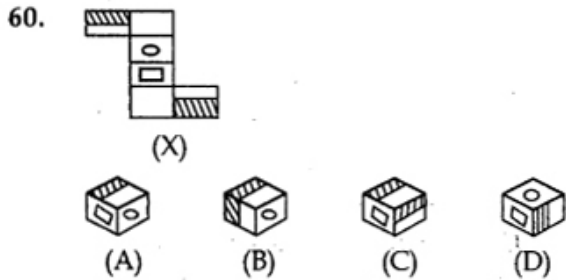
59. କେତୋଟି ସାନଘନର ଗୋଟିଏ ପାର୍ଶ୍ୱ ସବୁଜ ଏବଂ ଅନ୍ୟ ଏକ ପାର୍ଶ୍ୱ କଳା କିମ୍ବା ନାଲି ହେବ ?

- (A) 28 (B) 8  
(C) 16 (D) 24

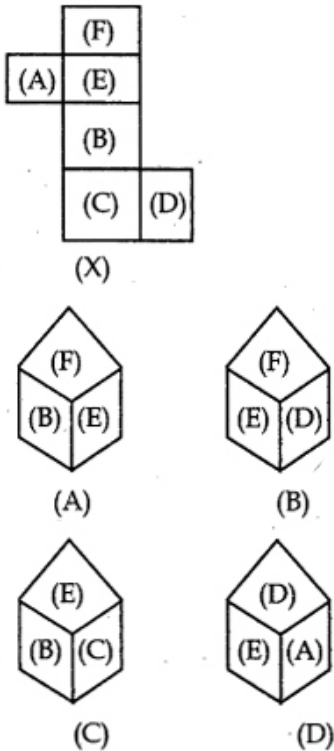


Directions for question number 60 to 61 :

To which of the cubes in the alternatives can the figure (X) result when folded ?



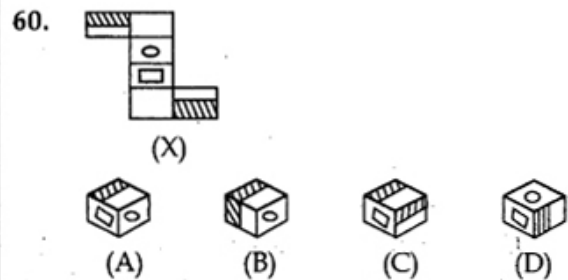
61. In which of the cubes can the figure (X) result, when folded?



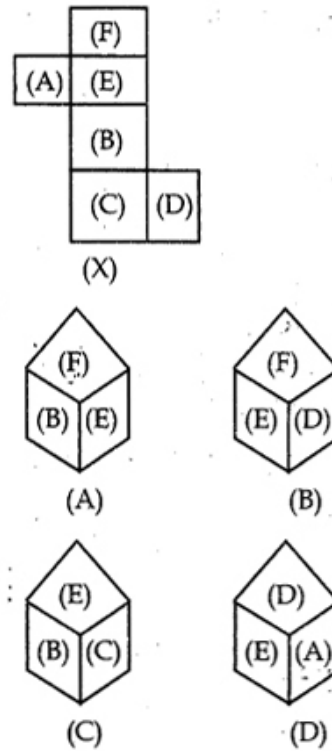
62. In a certain code  $2 \times 3 = 56$ ,  $5 \times 6 = 1130$ ,  $8 \times 9 = 1772$ , then  $4 \times 1 = ?$
- (A) 54 (B) 45  
(C) 55 (D) 44

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 60 ରୁ 61 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

(X) ଚିତ୍ରଟିକୁ ଭାଙ୍ଗିକଲେ ବିକଳମାନଙ୍କ ମଧ୍ୟରୁ କେଉଁ ଘନଚିତ୍ରଟି ହେବ ?



61. (X) ଚିତ୍ରଟିକୁ ଭାଙ୍ଗିକଲେ ବିକଳ ମାନଙ୍କ ମଧ୍ୟରୁ କେଉଁ ଘନ ଚିତ୍ରଟି ହେବ ?



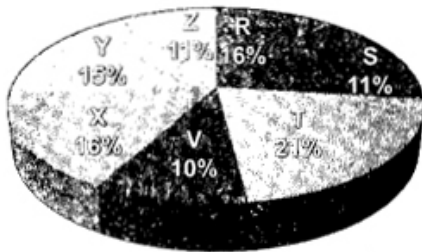
62. ଯଦି  $2 \times 3 = 56$ ,  $5 \times 6 = 1130$ ,  $8 \times 9 = 1772$ , ତୁା, ତେବେ  $4 \times 1 = ?$
- (A) 54 (B) 45  
(C) 55 (D) 44

63. In a certain code 'LATE' is written as '\$%#@' and 'WIDE' is written as '\*©Δ@'. Then how 'DIAL' will be coded?
- (A) Δ@#\$ (B) Δ@%\$  
(C) Δ©%\$ (D) Δ©%#
64. In a certain code language "Always Create New Ideas" is written as 'ba ri sha gi'. 'Ideas and New Thought' is written as 'fa gi na ri'. 'Create Thought and Insight' is written as 'ki ri la fa'. What is the code for IDEAS ?
- (A) sha (B) ba  
(C) gi (D) na
65. In a family, the father took  $\frac{1}{4}$  of the cake and he had 3 times as much as each of the other members had. What is the total number of member in the family ?
- (A) 3 (B) 7  
(C) 10 (D) 12
66. If 'SCOTLAND' is written as '12345678' LOAN is written as '8124' and DAN is written as '537', then what will be the code for 'C' ?
- (A) 6 (B) 9  
(C) 5 (D) 4
63. ଯଦି ଏକ ସାଙ୍କେତିକ ଭାଷାରେ 'LATE' କୁ '\$%#@' ଲେଖାଯାଏ 'WIDE' କୁ '\*©Δ@'. ଲେଖାଯାଏ ତେବେ 'DIAL' କୁ କେମିତି ଲେଖାଯିବ।
- (A) Δ@#\$ (B) Δ@%\$  
(C) Δ©%\$ (D) Δ©%#
64. ଏକ ସାଙ୍କେତିକ ଭାଷାରେ "Always Create New Ideas" କୁ 'ba ri sha gi' ବୋଲି ଲେଖାଯାଏ। Ideas and New thought କୁ 'fa gi na ri' ବୋଲି ଲେଖାଯାଏ। 'Create Thought and Insight' କୁ 'ki ri la fa' ବୋଲି ଲେଖାଯାଏ। ସେହି ସାଙ୍କେତିକ ଭାଷାରେ IDEAS କୁ କଣ ଲେଖାହେବ।
- (A) sha (B) ba  
(C) gi (D) na
65. ଗୋଟିଏ ପରିବାରରେ ବାପା ଗୋଟିଏ କେକ୍‌ର  $\frac{1}{4}$  ଅଂଶ ଖାଇଲେ। ବାପା ଖାଇଥିବା କେକ୍ ପରିବାରର ପ୍ରତ୍ୟେକ ସଦସ୍ୟ ଖାଇଥିବା କେକ୍‌ର 3 ଗୁଣ। ତେବେ ପରିବାରର ଲୋକସଂଖ୍ୟା କେତେ ?
- (A) 3 (B) 7  
(C) 10 (D) 12
66. ଯଦି 'SCOTLAND' କୁ '12345678' ବୋଲି ଲେଖାଯାଏ LOAN କୁ '8124' ବୋଲି ଲେଖାଯାଏ ଓ DAN କୁ '537' ବୋଲି ଲେଖାଯାଏ ତେବେ 'C' କୁ କଣ ଲେଖା ହେବ ?
- (A) 6 (B) 9  
(C) 5 (D) 4

Directions for question number 67 to 69 :

Study the following pie-chart relating to the proportion of population of seven villages and the table relating to % of people below poverty line in each village. Answer the following questions.

Village	% population below poverty line
X	38
Y	52
Z	42
R	51
S	49
T	46
V	58



67. If the population of village R is 32000, then what will be the population of village Y below poverty line ?

- (A) 15600                      (B) 16500  
(C) 14200                      (D) 18000

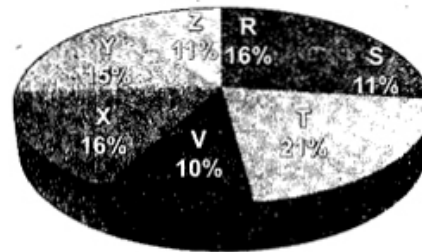
68. The ratio of population of village T below poverty line to that of village Z below poverty line

- (A) 11 : 21                      (B) 23 : 21  
(C) 23 : 11                      (D) 11 : 13

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 67 ରୁ 69 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ପାଇଁ ଚିତ୍ରଟିରେ 7 ଗୋଟି ଗ୍ରାମର ଜନସଂଖ୍ୟାର ଅନୁପାତ ଓ ଡେଇଁଲାଇନରେ ପ୍ରତି ଗ୍ରାମର ଦାରିଦ୍ର୍ୟ ସୀମାରେଖା ତଳେଥିବା ଲୋକଙ୍କର ପ୍ରତିଶତ ଦିଆଯାଇଛି । ଏହାକୁ ଅନୁଧ୍ୟାନ କରି ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ଦିଅ ।

Village	% population below poverty line
X	38
Y	52
Z	42
R	51
S	49
T	46
V	58



67. ଯଦି 'R' ଗ୍ରାମର ଲୋକସଂଖ୍ୟା 32000, ତେବେ 'Y' ଗ୍ରାମରେ ଦାରିଦ୍ର୍ୟ ସୀମାରେଖା ତଳେଥିବା ଲୋକଙ୍କର ସଂଖ୍ୟା କେତେ ?

- (A) 15600                      (B) 16500  
(C) 14200                      (D) 18000

68. 'T' ଓ 'Z' ଗ୍ରାମରେ ଦାରିଦ୍ର୍ୟ ସୀମାରେଖା ତଳେଥିବା ଲୋକଙ୍କର ମଧ୍ୟରେ ଅନୁପାତ କେତେ ?

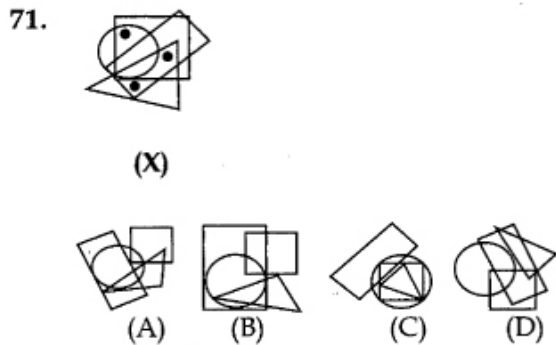
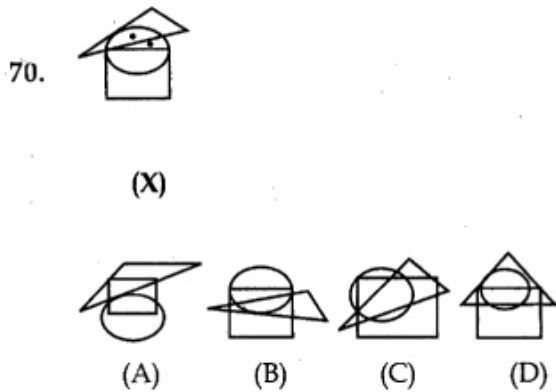
- (A) 11 : 21                      (B) 23 : 21  
(C) 23 : 11                      (D) 11 : 13

69. Find the population of village S if the population of village X below poverty line is 12160.

- (A) 18500                      (B) 20500  
(C) 22000                      (D) 26000

Directions for question number 70 to 71 :

Select the figure which satisfies the same conditions of placement of the dots as in Figure-(X).

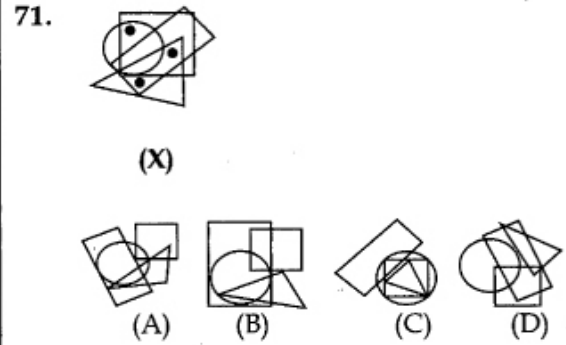
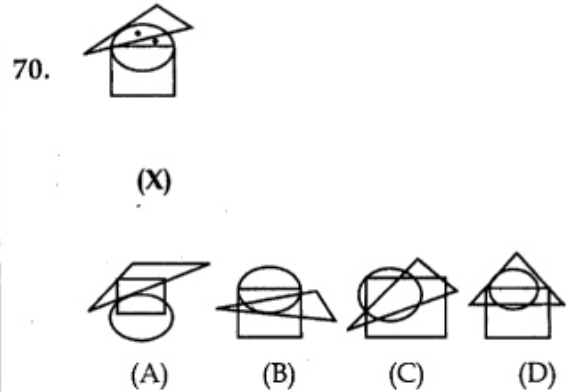


69. ଯଦି 'X' ଗ୍ରାମର ଦାରିଦ୍ର୍ୟ ସୀମାରେଖା ତଳେଥିବା ଲୋକଙ୍କ ସଂଖ୍ୟା 12160 ହୁଏ ତେବେ 'S' ଗ୍ରାମର ଲୋକସଂଖ୍ୟା କେତେ ?

- (A) 18500                      (B) 20500  
(C) 22000                      (D) 26000

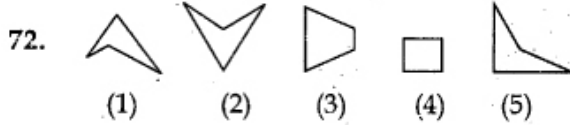
ପ୍ରଶ୍ନ ସଂଖ୍ୟା 70 ରୁ 71 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ଚିତ୍ର (X) ରେ ବିନ୍ଦୁଗୁଡ଼ିକର ଯେଉଁ ଅବସ୍ଥାନ ରହିଛି ବିଳମ୍ବମାନଙ୍କ ମଧ୍ୟରୁ କେଉଁ ଚିତ୍ରଟିରେ ବିନ୍ଦୁଗୁଡ଼ିକର ସମାନ ଅବସ୍ଥାନ ପାଇଁ ସୁଯୋଗ ରହିଛି ?

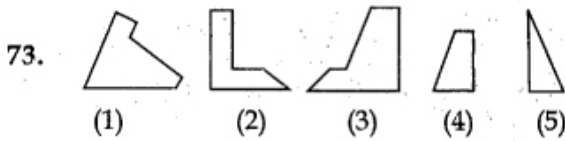


Directions for question number 72 to 73 :

Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.



- (A) (1), (2), (4) (B) (3), (4), (5)  
 (C) (1), (2), (3) (D) (1), (3), (5)



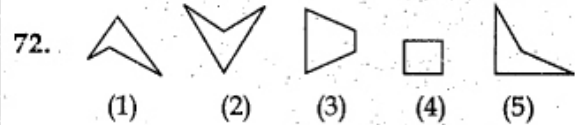
- (A) (1), (2), (3) (B) (1), (4), (5)  
 (C) (1), (3), (5) (D) (1), (2), (4)

74. On dividing a number by 5, we get 3 as remainder. What will the remainder when the square of the number is divide by 5 ?

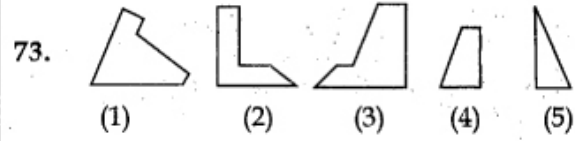
- (A) 0 (B) 1  
 (C) 2 (D) 4

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 72 ରୁ 73 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନରେ 5 ଗୋଟି ବିକଳ୍ପ ମଧ୍ୟରୁ ଯେଉଁ ତିନୋଟି ବିକଳ୍ପକୁ ନେଇ ଏକ ବର୍ଗକ୍ଷେତ୍ର ଗଠନ କରାଯାଇ ପାରିବ, ସେଗୁଡ଼ିକୁ ଚାଛି ।



- (A) (1), (2), (4) (B) (3), (4), (5)  
 (C) (1), (2), (3) (D) (1), (3), (5)



- (A) (1), (2), (3) (B) (1), (4), (5)  
 (C) (1), (3), (5) (D) (1), (2), (4)

74. ଏକ ସଂଖ୍ୟାକୁ 5 ଦ୍ୱାରା ଭାଗକଲେ 3 ଭାଗଶେଷ ରୁହେ । ସେହି ସଂଖ୍ୟାର ବର୍ଗକୁ 5 ଦ୍ୱାରା ଭାଗକଲେ କେତେ ଭାଗଶେଷ ରହିବ ?

- (A) 0 (B) 1  
 (C) 2 (D) 4



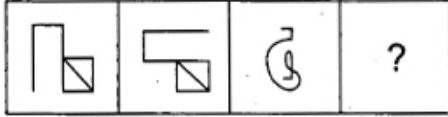
Directions for question number 80 to 82 :

There is a definite relationship between figures A and B. Establish a similar relationship between figures C and D by selecting a suitable figure from the alternatives that would replace the question mark.

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 80 ରୁ 82 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

A ଓ B ଚିତ୍ର ମଧ୍ୟରେ ଏକ ନିର୍ଦ୍ଦିଷ୍ଟ ସମ୍ପର୍କ ଅଛି । C ଓ D ମଧ୍ୟରେ ସମାନ ସମ୍ପର୍କ ରଖିଥିବା ବିକଳ୍ପଟିକୁ ପ୍ରଶ୍ନଚିହ୍ନ ସ୍ଥାନ ପାଇଁ ଚାଛି ।

80.



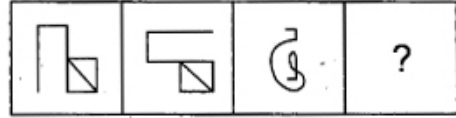
(A) (B) (C) (D)



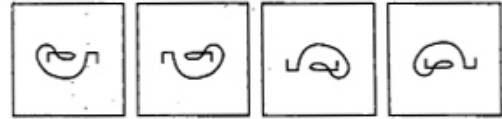
(1) (2) (3) (4)

(A) 1 (B) 2 (C) 3 (D) 4

80.



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



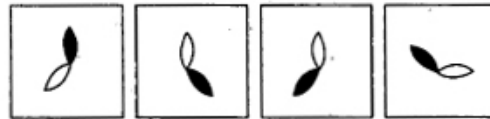
(1) (2) (3) (4)

(A) 1 (B) 2 (C) 3 (D) 4

81.



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



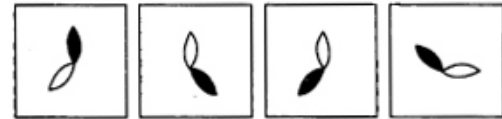
(1) (2) (3) (4)

(A) 1 (B) 2 (C) 3 (D) 4

81.



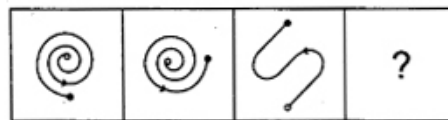
(A) (B) (C) (D)



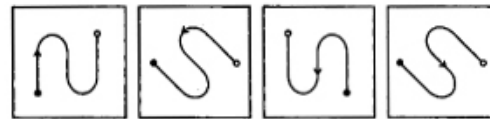
(1) (2) (3) (4)

(A) 1 (B) 2 (C) 3 (D) 4

82.



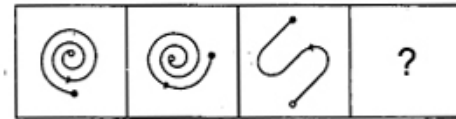
(A) (B) (C) (D)



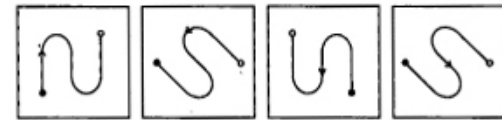
(1) (2) (3) (4)

(A) 1 (B) 2 (C) 3 (D) 4

82.



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



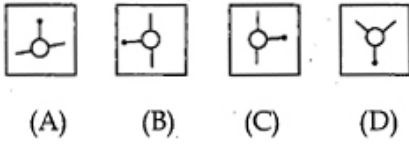
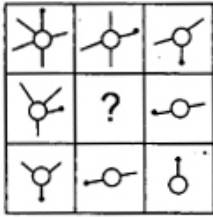
(1) (2) (3) (4)

(A) 1 (B) 2 (C) 3 (D) 4

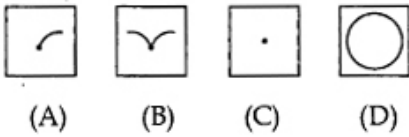
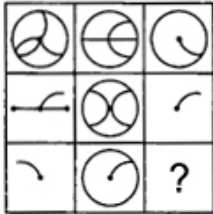
Directions for question number 83 to 85 :

Find out which of the answer figure completes the figure matrix ?

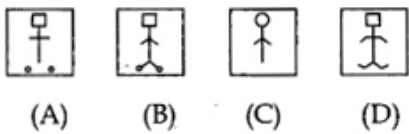
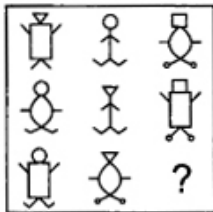
83.



84.



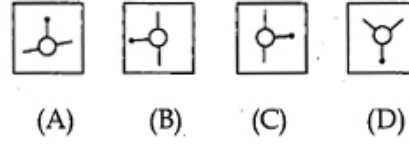
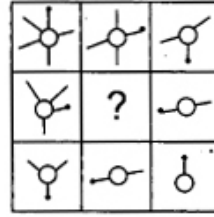
85.



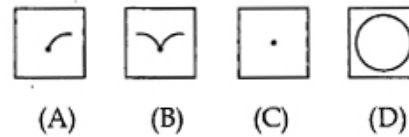
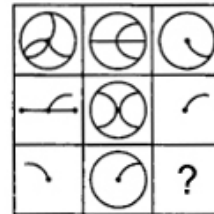
ପ୍ରଶ୍ନ ସଂଖ୍ୟା 83 ରୁ 85 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ବିଭିନ୍ନ ଚିତ୍ର ମଧ୍ୟରୁ କେଉଁଟି ଚିତ୍ର ସାଗଣୀଟିକୁ ସଂପୂର୍ଣ୍ଣ କରିବ ?

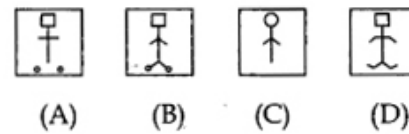
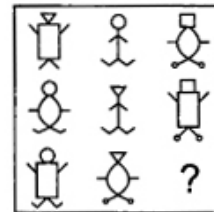
83.



84.



85.

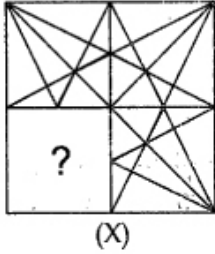




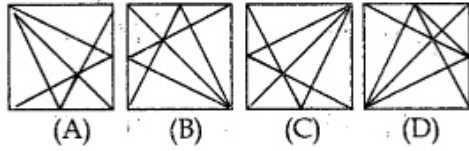
Directions for question number 86 to 88 :

Identify the figure from the alternatives that completes the pattern.

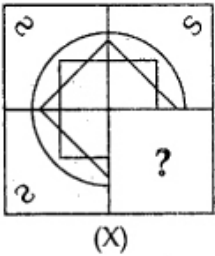
86.



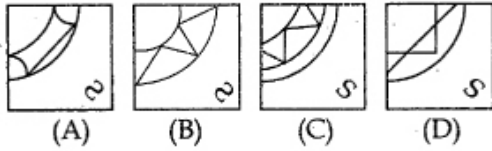
(X)



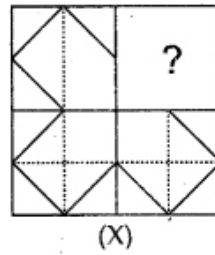
87.



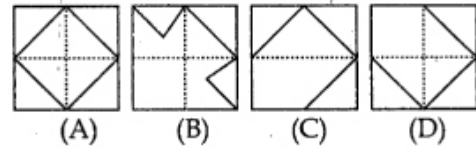
(X)



88.



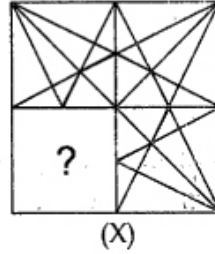
(X)



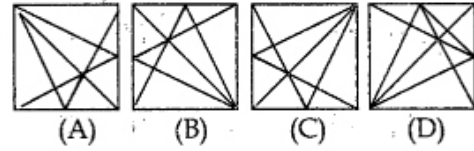
ପ୍ରଶ୍ନ ସଂଖ୍ୟା 86 ରୁ 88 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ଯେଉଁ ବିକଳ୍ପଟି ଚିତ୍ରଟିକୁ ସଂପୂର୍ଣ୍ଣ କରିବ ତାକୁ ଚିହ୍ନଟ କର।

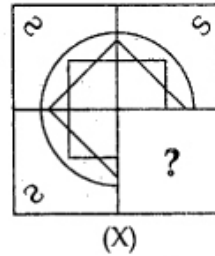
86.



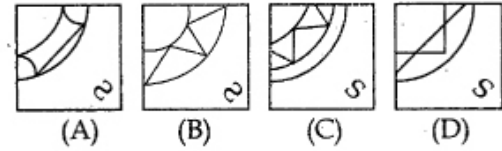
(X)



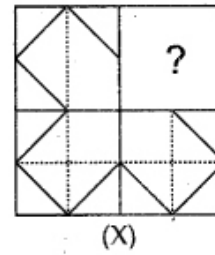
87.



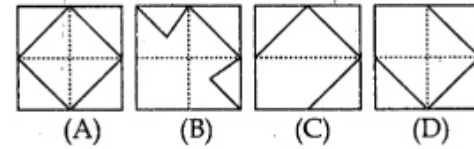
(X)



88.



(X)




Directions for question number 89 to 91 :

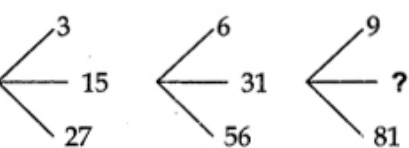
Which alternative will replace the question mark ?

89.  $\begin{matrix} 10 \\ 12 - \textcircled{4} - 15 \\ 9 \end{matrix}$      $\begin{matrix} 16 \\ 12 - \textcircled{12} - 28 \\ 20 \end{matrix}$      $\begin{matrix} 15 \\ 11 - \textcircled{?} - 23 \\ 16 \end{matrix}$

- (A) 11                      (B) 14  
(C) 10                      (D) 12

90. 

- (A) 35                      (B) 37  
(C) 45                      (D) 47

91. 


- (A) 45                      (B) 41  
(C) 32                      (D) 40

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 89 ରୁ 91 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

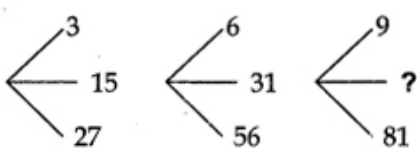
କେଉଁ ବିକଳ୍ପଟି ପ୍ରଶ୍ନଚିହ୍ନ ସ୍ଥାନକୁ ପୂରଣ କରିବ ?

89.  $\begin{matrix} 10 \\ 12 - \textcircled{4} - 15 \\ 9 \end{matrix}$      $\begin{matrix} 16 \\ 12 - \textcircled{12} - 28 \\ 20 \end{matrix}$      $\begin{matrix} 15 \\ 11 - \textcircled{?} - 23 \\ 16 \end{matrix}$

- (A) 11                      (B) 14  
(C) 10                      (D) 12

90. 

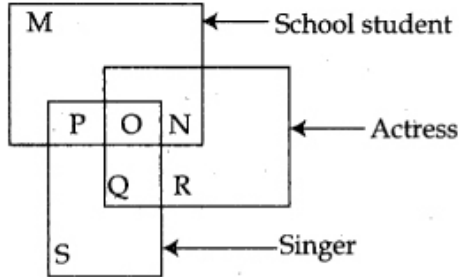
- (A) 35                      (B) 37  
(C) 45                      (D) 47

91. 

- (A) 45                      (B) 41  
(C) 32                      (D) 40

Directions for question number 92 to 94 :

Answer the questions by using the following diagram.



92. Which of the following represents those school students who are actress but not singer ?

- (A) M                      (B) N  
(C) O                      (D) R

93. Which of the following represents those actresses who are neither singer nor school students ?

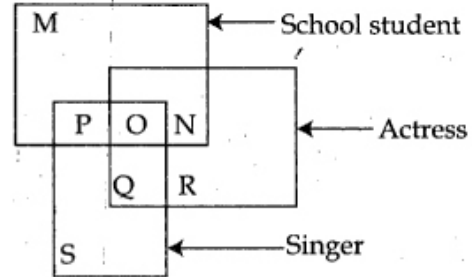
- (A) N                      (B) P  
(C) Q                      (D) R

94. Which of the following represents those school students who are singer but not actress?

- (A) M                      (B) N  
(C) O                      (D) P

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 92 ରୁ 94 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ନିମ୍ନ ଚିତ୍ରକୁ ଅନୁଧ୍ୟାନ କରି ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ଦିଅ।



92. କେଉଁ ବିକଳ୍ପଟି ଗାୟିକା ନହୋଇ ଅଭିନେତ୍ରୀ ଥିବା ସ୍କୁଲ ଛାତ୍ରଙ୍କୁ ସୂଚାଏ ?

- (A) M                      (B) N  
(C) O                      (D) R

93. କେଉଁ ବିକଳ୍ପଟି ସୂଚାଏ ଯେ ସେମାନେ କେବଳ ଅଭିନେତ୍ରୀ; ଗାୟିକା ନୁହଁନ୍ତି କି ଛାତ୍ର ନୁହଁନ୍ତି ?

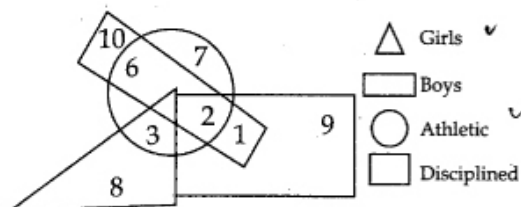
- (A) N                      (B) P  
(C) Q                      (D) R

94. କେଉଁ ବିକଳ୍ପଟି ସୂଚାଏ ଯେ ସେମାନେ ଛାତ୍ର ଓ ଗାୟିକା କିନ୍ତୁ ଅଭିନେତ୍ରୀ ନୁହଁନ୍ତି ?

- (A) M                      (B) N  
(C) O                      (D) P

Directions for question number 95 to 97 :

Study the following diagram and answer the given questions.



95. How many girls are both athletic and disciplined ?

- (A) 0 (B) 3  
(C) 8 (D) 2

96. How many boys are neither athletic nor disciplined ?

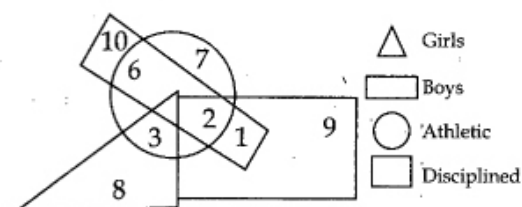
- (A) 10 (B) 6  
(C) 3 (D) 2

97. How many boys are both athletic and disciplined ?

- (A) 1 (B) 2  
(C) 6 (D) 10

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 95 ରୁ 97 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ନିମ୍ନ ଚିତ୍ରକୁ ଅନୁଧ୍ୟାନ କରି ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ଦିଅ ।



95. କେତେଜଣ ଝିଅ ଉଭୟ ଖେଳାଳୀ ଓ ଶୁଖାଳିତ ?

- (A) 0 (B) 3  
(C) 8 (D) 2

96. କେତେଜଣ ପୁଅ ଖେଳାଳୀ ନୁହଁନ୍ତି କି ଶୁଖାଳିତ ବି ନୁହଁନ୍ତି ?

- (A) 10 (B) 6  
(C) 3 (D) 2

97. କେତେଜଣ ପୁଅ ଉଭୟ ଖେଳାଳୀ ଓ ଶୁଖାଳିତ ?

- (A) 1 (B) 2  
(C) 6 (D) 10

Directions for question number 98 to 100 :

Choose the alternative which resembles the mirror image of the given combination.

98. 247596

- (A) 695742 (B) 982742  
(C) 247596 (D) 982742

99. ANS43Q12

- (A) AN24E012 (B) 210E421A  
(C) 21A4E021 (D) 1204E4A12

100. UTZFY6KH

- (A) HK9YFZ1U (B) U1ZF49KH  
(C) HK9YFZ1U (D) HK9YFZTU

-oOo-

ପ୍ରଶ୍ନ ସଂଖ୍ୟା 98 ରୁ 100 ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ :

ନିମ୍ନ ସଂଯୋଜନା ଗୁଡ଼ିକର ଦର୍ପଣଚିତ୍ର ବିକଳମାନଙ୍କ ମଧ୍ୟରୁ ଚାଛି ।

98. 247596

- (A) 695742 (B) 982742  
(C) 247596 (D) 982742

99. ANS43Q12

- (A) AN24E012 (B) 210E421A  
(C) 21A4E021 (D) 1204E4A12

100. UTZFY6KH

- (A) HK9YFZ1U (B) U1ZF49KH  
(C) HK9YFZ1U (D) HK9YFZTU

-oOo-