INSTRUCTIONS

1. This paper contains 25 questions of 2 marks each.
   इस प्रश्न-पत्र में 25 प्रश्न हैं, प्रत्येक प्रश्न के लिए 2 अंक हैं।

2. Answer all questions. Write your answer in OMR Answer sheet
   सभी प्रश्नों के उत्तर देने हैं। अपना उत्तर OMR में लिखें।

3. There are total 17 pages in the question paper
   प्रश्न पत्र में कुल 17 पृष्ठ हैं।
ILLUSTRATION SET / सोदाहरण समूह

जिस प्रकार के प्रश्न आपको परीक्षा में मिलेंगे उससे सम्बंधित कुछ प्रश्नों को उदाहरण के रूप में यहाँ नीचे प्रस्तुत किया गया है। अब इन उदाहरणों को ध्यानपूर्वक देखिये और समझिए उनको कैसे हल किया गया है।

Below are given examples of the type of questions that you will find in the test. Now, look at these examples carefully and understand how they are solved.

A. पाँच आकृतियों का एक समुच्चय(सेट) दिया गया है जिनमें से कोई चार आकृतिया एक समान गुण के आधार पर अपना एक समूह बनाती है और एक भिन्न है। आपको यह ज्ञात करना है कि उनमें से कौन सी आकृति अन्य चार आकृतियों से भिन्न है।

There are five sets of figures in which 4 share a common property and make a group whereas one of them is different. Find out which figure is different from the other four.

Out of the above figures A, B, C, D & E except figure 'B' all figures have two black dots in the figure and thus form one group. Figure 'B' stands out as it does not have any black dot in it. So, the right answer is 'B' which is written in the answer box.

Answer is B

ठीक इसी रूप में अक्सर अथवा संख्या पर आधारित प्रश्न आपको मिलेंगे जोकि अपने वर्ग से भिन्न हैं। समस्याओं में दिये गए तर्क को समझाते हुए कि यह किस प्रकार एक समान है, इसको हल करने का प्रयास करे।
In a similar manner you may be asked to choose the set of alphabets or number which differ from their group. Try to understand the logic how they are grouped and solve the problem.

Given below, some numbers are arranged in a particular sequence but one of the number is missing. Find the missing number from the given choices to complete the series.

11 21 31 41 ........

(A) 42 (B) 51 (C) 61 (D) 71 (E) 60

In the above series, there is a gap of ten numbers between the first number and the second consecutive number. To continue the series, the missing number would be 51. Therefore choice ‘B’ is the correct answer to be written in the answer box.

Answer is B

In a similar manner you may be asked to choose the set of given options to complete the series for alphabets or figures. You have to grasp the sequence logic and solve the given problems.
Figures ‘A’ and ‘B’ have a particular relationship. Establish the similar relationship between figures ‘C’ and ‘D’ by choosing right figure amongst the four alternatives 1, 2, 3, 4 which would replace the question mark in figure ‘D’.

Figure of box ‘A’, gets rotated anticlockwise at 90° to form a figure in box ‘B’. Similarly, figure in box ‘C’ has to be rotated anticlockwise at 90° to form a figure in box ‘D’. Hence, figure (4) is the answer that is written in the answer box.

In the following question, find out which one of the four alternative figures A, B, C and D will exactly make up the key figure ‘X’.
If you join the given fragments of figure ‘A’ it will make up the Figure ‘X’. Though figure ‘B’ also looks like figure ‘A’ but the fragments of figure ‘B’ are smaller in size in comparison to figure ‘X’. So, the right answer is ‘A’ which is written in the answer box.

E. एक आदमी ने एक व्यक्ति की ओर संकेत करते हुए स्त्री से कहा, “इसकी माता अपने पिता की इकलौती पुत्री है” उस स्त्री का उस व्यक्ति के साथ क्या संबंध है?

Pointing towards a person, a man said to the woman, “His mother is the only daughter of your father”. How is the women related to that person?

A) Daughter    B) Sister    C) Mother    D) Wife

Answer is C

उसने स्वयं को अपने पिता की इकलौती पुत्री बताया। अतः वह व्यक्ति उस स्त्री का बेटा, वही स्त्री उस व्यक्ति की माता है। अतः विकल्प ‘C’ सही उत्तर है।

The only daughter of a woman’s father is she herself. So, the person is woman’s son i.e. the woman is the person’s mother. Hence the answer is ‘C’.

F. ‘X’ आकृति के दाहिनी तरफ चार विकल्प आकृतियों A, B, C तथा D दी गयी हैं। यदि आप ‘X’ आकृति को पानी में देखते हैं तो उसका प्रतिबिंब दी गयी चार आकृतियों में से किसी एक के समान होगा, वह कौन सी विकल्प आकृति है?

On the right side of the figure ‘X’ four choice figures A, B, C and D are given. If you see the reflection of figure ‘X’ in water, which of the figure out of the four figures given will resemble the water image of figure ‘X’.

Answer is C
When you see a reflection of an object in water the image formed is inverted i.e. the object is turned upside down. Thus choice ‘C’ is the correct answer.

If you see the figure ‘X’ in the mirror, which figure out of the four choice figures will be the mirror image of figure ‘X’. Write the answer in the answer box.

Answer is

When you see something in the mirror the left appears right and right appears left. This way figure ‘D’ is the right answer and written in the answer box.

In the following Venn diagram which diagram represents Hospital, Patient and Nurse.
Answer is D

Patient and nurse are separate but both are related to the hospital. So, they would be represented by the diagram ‘D’. Circle ‘A’, represents patient circle ‘B’, represents nurse and ‘C’ represents hospital. So the answer is ‘D’ which is written in the answer box.

I. यहां A, B, C तथा D के रूप में चार आकृतियाँ दी गयी हैं। इन चार आकृतियों में से कोई एक आकृति यहां दिये गए ‘X’ पैटर्न के अन्दर छिपी हुई है। आपको दिये गए ‘X’ पैटर्न के अन्दर उस छिपी हुई आकृति को ढूंढना है। दिये गए विकल्पों A, B, C तथा D में से किसी एक सही विकल्प वाली आकृति को चुनकर अपना उत्तर सम्बंधित खाने में लिखें।

Four figures marked A, B, C & D are given. Out of the four figures A, B, C & D one of the figure is hidden in the figure marked ‘X’. Find the correct option and write the answer in the answer box.

Answer is A
Out of the four figures, B, C & D does not match with figure ‘X’ whereas figure ‘A’ matches. ‘A’ is the right answer and written in the answer box.

In the figure given below a portion of the design is cut and marked by ‘?’. Cut design is placed among the other choices A, B, C and D. Write the choice of the correct figure, which will complete the design.

---

Answer is

C

If you see the design clearly and put figure ‘C’ in the place of the question mark (?), the design gets completed. So choice ‘C’ is the correct answer.
101. Find the missing number in the number series given below:

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>20, 30, 42, ?</td>
<td></td>
</tr>
<tr>
<td>(A) 64</td>
<td></td>
</tr>
<tr>
<td>(B) 56</td>
<td></td>
</tr>
<tr>
<td>(C) 62</td>
<td></td>
</tr>
<tr>
<td>(D) 54</td>
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</table>

102. Victory is to Joy as ____ is to Sorrow.

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<table>
<thead>
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<tbody>
<tr>
<td>Victory to Joy as ____ is to Sorrow</td>
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<tr>
<td>(A) Defeat</td>
<td></td>
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<tr>
<td>(B) Depression</td>
<td></td>
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<tr>
<td>(C) Loneliness</td>
<td></td>
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<tr>
<td>(D) Cry</td>
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</table>

103. Find the missing number that has same relation to 289 as 13 has to 169.

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<table>
<thead>
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<tbody>
<tr>
<td>169 : 13 : : 289 : ?</td>
<td></td>
</tr>
<tr>
<td>(A) 19</td>
<td></td>
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<tr>
<td>(B) 17</td>
<td></td>
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<tr>
<td>(C) 27</td>
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<tr>
<td>(D) 23</td>
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104. If TRAIN is written as WUDLQ then BUS would be written as____.

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<thead>
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<tbody>
<tr>
<td>अगर TRAIN को WUDLQ लिखा जाता है तब BUS कैसे लिखा जाएगा?</td>
<td></td>
</tr>
<tr>
<td>(A) EXU</td>
<td></td>
</tr>
<tr>
<td>(B) DWU</td>
<td></td>
</tr>
<tr>
<td>(C) EXV</td>
<td></td>
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<tr>
<td>(D) VXE</td>
<td></td>
</tr>
</tbody>
</table>
105. If **FLOW** is related to **RIVER** then **STAGNANT** is related to **___**.

(A) Pool  
(B) Rain  
(C) Stream  
(D) Canal

106. Choose the word which is least like the other words in the group.

(A) Ladder  
(B) Staircase  
(C) Bridge  
(D) Escalator

107. If we arrange the given words in alphabetical order, which word would come at the second place, choose the correct alternative?

(A) Plane  
(B) Plain  
(C) Plenty  
(D) Player

108. Choose the alternative that resembles the water image of the given word below:

A1M3b

(1) ∀1M3P  
(2) ∀M3P  
(3) ∀1M3P  
(4) ∀M3P
109. Choose the word which is least like the other words in the group.

(A) Eyes  
(B) Ear  
(C) Hand  
(D) Scarf

उस शब्द को चुनिये जो दूसरे शब्दों के समूह से मेल नहीं खाता है।

110. Choose the alternative that will continue the number series below:

2, 3, 5, 7, 11, 13 ?

(A) 15  
(B) 19  
(C) 17  
(D) 21

111. Which of the following diagram indicates the best relation between Country, Nepal and India?

नीचे दिये गए चित्र में से कौन सा चित्र देश, नेपाल तथा भारत के संबंध को उत्तम रूप से दर्शाता है?

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

(E)
112. Choose the alternative that will continue the number series below:

\[ 5, 11, 19, 29, ?, 55 \]

(A) 39  
(B) 41  
(C) 37  
(D) 43

113. A FISH is to GILLS then a MAN is to ___.

(A) Ear  
(B) Eye  
(C) Lungs  
(D) Nose

114. Which figure among the five alternatives 1, 2, 3, 4 and 5 would replace the question mark in figure ‘D’?

![Diagram](image)

115. Choose the word which is least like the other words in the group.

(A) Sun  
(B) Planets  
(C) Stars  
(D) Satellites
116. If Maya is the only daughter of Richa's grandmother's brother, how is Maya's daughter related to Richa?

- (A) Niece
- (B) Cousin
- (C) Aunt
- (D) Mother

117. O, P, Q, R, S and T are standing on a bench according to their height. P is taller than O but shorter than S. Only S is taller than T. R is shorter than P but taller than Q. Who is the shortest?

- (A) O
- (B) Q
- (C) P
- (D) Cannot be said

118. If ‘+’ means ‘÷’, ‘x’ means ‘-‘, ‘-‘ means ‘+’ and ‘÷‘ means ‘x’, then what would be the answer of the equation?

\[16 \div 8 \times 6 - 2 + 12 = ?\]

- (A) 22
- (B) 24
- (C) 23
- (D) 20
119. Count the number of triangles present in the given figure.

नीचे दी गई आकृति में कितने त्रिकोण है?

(A) 16  (B) 17  (C) 18  (D) 19

120. If DOG is to RABIES then MOSQUITO is to ___ ?

DOG का जो संबंध RABIES से है वही संबंध MOSQUITO का किस से होगा?

(A) Plague  (B) Death  (C) Malaria  (D) Sting

121. It is 3 O’ clock in a watch and it is rotated by 10 degree in a manner such that if the minute hand points towards the North - East, then hour hand will point towards which direction?

अगर घड़ी में 3 बजे हैं, और उसको हम 10 डिग्री इस तरह घुमाए की मिनट हैंड की सुई उत्तरी पूर्व दिशा की ओर हो तो hour हैंड की सुई किस दिशा में होगी?

(A) South  (B) South -West  (C) North-West  (D) South-East
### Question 122

**LOVE** is to **HATE** then **FRIEND** is to ______?  

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<tbody>
<tr>
<td>(A)</td>
<td>Trust</td>
<td>(B)</td>
<td>Companion</td>
<td>(C)</td>
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### Question 123

If the given alpha-numeric series is seen in mirror, which alternative would resemble its mirror image?

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</thead>
<tbody>
<tr>
<td>(1)</td>
<td>3hogfasna</td>
<td>(2)</td>
<td>3ogfasna</td>
<td>(3)</td>
</tr>
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### Question 124

Given that **A** and **B** are a married couple. If **X** and **Y** are brothers, and **X** is the brother of **A**. How is **Y** related to **B**?

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<tbody>
<tr>
<td>(A)</td>
<td>Brother in law</td>
<td>(B)</td>
<td>Brother</td>
<td>(C)</td>
</tr>
</tbody>
</table>

### Answers

**ANS43Q12**

1. (2) 3ogfasna
2. (3) 3ogfasn
3. (4) 3ogfasn
4. (1) 3hogfasna
<table>
<thead>
<tr>
<th>125.</th>
<th>If ‘+’ means ‘-‘, ‘-‘ means ‘x‘; ‘x’ means ( \frac{1}{2} ) and ( \circ ) means ‘+’, then what would be the answer of the equation?</th>
</tr>
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<tbody>
<tr>
<td><strong>Yadid ‘+’ ko ‘-‘, ‘-‘ ko ‘x‘; ‘x’ ko ( \frac{1}{2} ) aur ‘\circ’ ko ‘+’ lixa jaaye, tab nioche di gari ekvashan ka uttar kya hogga?</strong></td>
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<tbody>
<tr>
<td>( 15 \times 5 \div 10 + 5 - 3 = ? )</td>
<td>(A) 9.5</td>
<td>(B) 0</td>
<td>(C) -2</td>
</tr>
<tr>
<td>(D) 24</td>
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**ROUGH WORK**
ROUGH WORK