INSTRUCTIONS

1. This paper contains 25 questions of 2 marks each.

2. Answer all questions. Write your answer in OMR Answer sheet

3. There are total 14 pages in the question paper
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 समूह(सेट) दिया गया है जिसमें 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.

![Figures A, B, C, D, E](image)

यहाँ ऊपर दी गयी सभी आकृतियों A, B, C, D तथा E में सिर्फ आकृति 'B' को छोड़ सभी आकृतियों में दो काले बिन्दु दिये गए हैं इसलिए यह सभी एक वर्ग से संबंधित है। जबकि आकृति 'B' में कोई काला बिन्दु नहीं है। अतः विकल्प 'B' सही उत्तर है, जोकि उत्तर उत्तर खाने में लिखा गया है।

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 अक्षरों अथवा संख्या पर आधारित प्रश्न आपको मिलेंगे जोकि अपने वर्ग से भिन्न है। 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’.

Answer is 4

`B` box's figure is formed by rotating figure `A` box's figure 90° clockwise. Similarly, figure in `C` box has to be rotated anticlockwise at 90° to form a figure in `D` box. 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’.

Answer is A
यहाँ दी गयी सभी आकृतियों का अवलोकन करने पर पता है कि आकृति ‘A’ ही ‘X’ आकृति की कुंजी है। यद्यपि आकृति ‘B’ भी ‘A’ आकृति के समान ही दिखाई देती है लेकिन यह आकृति ‘A’ की तुलना में छोटी है। अतः ‘A’ सही उत्तर है जोकि उत्तर के खाने में लिखा गया है।

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 आकृतियाँ A, B, C तथा D है है। यदि आप ‘X’ आकृति को पानी में देखते है तो उसका प्रतिविम्ब 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.

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.
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.

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
यहाँ दी गयी आकृतियों B, C तथा D में से कोई भी आकृति ‘X’ पैटन में छिपी हुई दिखायी नहीं देती है। जबकि ‘A’ विकल्प वाली आकृति ‘X’ पैटन के अन्दर छिपी हुई आकृति के समान दिखाई देती है। अतः ‘A’ सही उत्तर है जो उत्तर वाले खाने में लिखा गया है।

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.

J. नीचे जो डिजाइन दिया गया है, उसके बाएँ ओर नीचे की तरफ का भाग कटा हुआ है और ‘?’ से चिह्नित है। यह कटा हुआ भाग दी गयी चार विकल्प आकृतियों A, B, C तथा D में से कोई एक है। आपको सही आकृति वाले विकल्प को चुन कर लिखना है, जिससे वह डिजाइन पूरा बन जाए।

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

यदि हम दिए गए अभिकल्प (डिजाइन) को देखे तो स्पष्ट होता है कि विकल्प ‘C’ वाली आकृति को प्रश्नवाचक (?) स्थान पर रखने से यह डिजाइन पूर्ण हो जाता है। अतः विकल्प ‘C’ सही उत्तर है।

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.
Directions: Choose the letters group that best represents a relationship similar to the one expressed in the original pair of letters groups:

126. WINTER : IWTRNE :: LACSAP : ?
   (a) PASCAL  (b) SPLACA  (c) ALSCPA  (d) LACSPA

127. GDLM : IBNK :: XSOH : ?
   (a) ZQQF  (b) WTMO  (c) APQF  (d) ZQLF

128. TQW is to MJP as ZHN is to
   (a) SAG  (b) GSA  (c) YGM  (d) TEG

129. WEIGHT is related to KILOGRAM in the same way as DISTANCE is related to
   (a) GRAM  (b) POUND  (c) LENGTH  (d) KILOMETER

Directions: Which number completes the second pair in the same way as the first pair?

130. 26 : 5 :: 65 : ?
    (a) 6  (b) 7  (c) 8  (d) 9

131. 16 : 56 :: 36 : ?
    (a) 96  (b) 112  (c) 118  (d) 128

Directions: In the given series, find the next/missing term.

132. AT, BS, CR, DQ, ?
    (a) EP  (b) FP  (c) ED  (d) EN

133. 4, 9, 16, 25, ? 49
    (a) 50  (b) 36  (c) 64  (d) 39

134. 0, 1, ? 27, 64
    (a) 16  (b) 32  (c) 4  (d) 8

135. A 5, C 10, E 15, G 20, ?
    (a) H 30  (b) I 30  (c) I 25  (d) H 25
136. Insert a letter which completes both the words given below :-

C
A
R
B
A ? C H

(a) T    (b) K    (c) V    (d) L

137. Insert the missing terms in the figure, so that the word formed is the name of a country when read clockwise direction.

L ? N
I ?
R ? A

(c) APR    (a) SAA    (b) SAK    (d) PLC

138. Find the number that replaces the question mark.

4 10 9
16

2 ? 8
9

16 13 9
5

(i) 12    (ii) 6    (iii) 5    (iv) 7

139. In a class of 30 students, Swati’s rank is 11th from the top, what is her rank from the bottom?

(a) 19TH    (b) 20TH    (c) 22ND    (d) 21ST

140. Ritu walks 50 m towards East, then turns to her right and walks 50 m, now she turns left and walks another 50 m, now again she turns left and walks another 50 m. In which direction is she from the starting point?

(a) East    (b) North    (c) North-East    (d) South-West

141. Find the fourth proportional to 3, 7 and 9,

(a) 23    (b) 27    (c) 21    (d) None of these
142. Count the number of squares in the given figure.

(a) 14  (b) 13  (c) 10  (d) None of these

143. Choose the figure, which is different from others?

(a)  
(b)  
(c)  
(d)  

144. What is the sequence of the following when arranged in a dictionary?

(1) Telegraph  (2) Telephone  (3) Teleprinter  (4) Telemetry  (5) Telepathy

(a) 14532  (b) 14253  (c) 14523  (d) 14325

145. CLOCK is 42145, LEAN is 2068.
CARE is 4690, then NECKLACE is

(a) 80546240  (b) 6054842  (c) 80452640  (d) 50842604

146. Which among the following year is a leap year?

(a) 2500  (b) 2800  (c) 2600  (d) 2700

Directions :- In each of the following questions, Find the word which cannot be made from the letters of the given word.

147. CARPENTER

(a) NECTAR  (b) CARPET  (c) PAINTER  (d) REPENT

148. REASONABLE

(a) BRAIN  (b) BONES  (c) NOBLE  (d) ARSON

149. If ‘÷’ stands for ‘X’ ‘×’ stands for ‘+’. ‘+’ stands for ‘-‘, then what is the value of 7÷21×81+9−3×14?

(a) 21  (b) 24  (c) 27  (d) 28
150. Determine the term that would replace the question mark.

(a) 36  (b) 41  (c) 35  (d) 45

ROUGH WORK
ROUGH WORK
ROUGH WORK