

# ISFO Maths Sample Paper

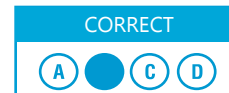
**MAXIMUM TIME: 60 MINUTES**

**MAXIMUM MARKS: 100**

## INSTRUCTIONS

- Please DO NOT OPEN the contest booklet until you are asked to do so.
- The question paper comprises of 4 sections (Total 50 questions):
 

<b>Section A: Mathematical Reasoning</b>	25-Questions (2 marks each)
<b>Section B: Everyday Maths</b>	15-Questions (1 mark each)
<b>Section C: Logical Reasoning</b>	5-Questions (2 marks each)
<b>Section D: BrainBox</b>	5-Questions (5 marks each)
- All questions are compulsory. There is no negative marking.
- No electronic devices capable of storing and displaying visual information such as calculator and mobile are allowed during the course of the exam.
- Fill all your detail properly on the OMR sheet.
- There is only ONE correct answer of each question.
- To mark your choice of answers by darkening the circles on the OMR Sheet, use an HB Pencil or a Blue/Black Ball Point Pen only.
- Shade your answer clearly as per the given example:



DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

**Roll No.:**

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**Student's Name:**

## SECTION A : MATHEMATICAL REASONING

1. The value of  $6 \div (-1)$  does not lie between
- 0 and  $-10$
  - $-4$  and  $8$
  - $-7$  and  $7$
  - $-10$  and  $5$
- 
2. Which of the following is the sides of a right angled triangle?
- $4.1, 3.2, 5.7$
  - $3.2, 3.8, 4.2$
  - $5.5, 4.2, 3.1$
  - $2.4, 3.2, 4$
- 
3. By what rational number should we divide  $\left(-\frac{5}{11}\right)$  to get  $(-1)$  ?
- $\frac{5}{11}$
  - $-\frac{11}{5}$
  - $\frac{11}{5}$
  - $-\frac{5}{11}$
- 
4. The perimeter of two squares are  $192$  cm and  $56$  cm. Find the perimeter of a square whose area is equal to the sum of the areas of these two squares.
- $200$  cm
  - $250$  cm
  - $225$  cm
  - $245$  cm
- 

## SECTION B : EVERYDAY MATHS

5. ₹871 is divided among 3 friends Aman, Bhavna and Chintu in the ratio  $\frac{1}{5} : \frac{1}{4} : \frac{2}{3}$  respectively. The share of Bhavna is \_\_\_\_\_.
- ₹192
  - ₹240
  - ₹195
  - ₹350
- 
6. A shopkeeper has a sale of ₹6635, ₹6727, ₹7155, ₹6930 and ₹6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of ₹6500?
- ₹4880
  - ₹4991
  - ₹5150
  - ₹5250
- 

## SECTION C : LOGICAL REASONING

7. In a certain code language, BRAIN is written as FVEMR, then how will MIND be written in that code language?
- VQMRC
  - QMRH
  - PMRH
  - HMRQ
- 
8. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M.?
- North
  - South
  - East
  - West
-

**SECTION D : BRAINBOX**

9. The given bar graph shows the daily sales of milk packets at the rate of ₹16 per packet in a particular week.



How much more money received on Sunday and Tuesday together than the Thursday and Saturday together?

- a) ₹960                      b) ₹1020                      c) ₹1450                      d) ₹1225

10. A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. The area of the lawn is 2109 sq. m. What is the width of the road?

- a) 5 m                      b) 2 m                      c) 3 m                      d) 4 m



**ANSWERS**

1. (B)      2. (D)      3. (A)      4. (A)      5. (C)      6. (B)      7. (B)      8. (D)      9. (A)      10. (C)