



GUIDELINES FOR THE CANDIDATE

Total Questions: 35 | Time: 1 hr.

- 1. Please check your Name, Class and Section on the OMR sheet provided to you. In case, OMR sheet with your name is missing, please fill in information about yourself in the blank OMR sheet provided before start of exam.
- 2. Please fill in your **Mobile Number** clearly on the OMR Sheet and do not forget to sign it. We will share your marks / result and other information related to SOF exams on your mobile number.
- 3. The Question Paper comprises four sections:

Logical Reasoning (10 Questions), Mathematical Reasoning (10 Questions), Everyday Mathematics (10 Questions) and Achievers Section (5 Questions)

Each question in Achievers Section carries 2 marks, whereas all other questions carry one mark each.

- 4. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
- 5. There is only ONE correct answer. Choose only ONE option for an answer.
- 6. To mark your choice of answers by darkening the circles on the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only. E.g.

Q.16: Sonia had 80 sweets. She gave 15 sweets to Danish and 15 sweets to Megha. How many sweets are left with her?

A. 50

B. 30

C. 60

D. 40

As the correct answer is option A, you must darken the circle corresponding to option A on the OMR Sheet.



- 7. Rough work should be done in the blank space provided in the booklet.
- 8. Return the OMR Sheet to the invigilator at the end of the exam.
- 9. Please fill in your personal details in the space provided on this page before attempting the paper.

| Name: | |
|---------------------------------|--------------|
| Section: SOF Olympiad Roll No.: | Contact No.: |

1. Find the mirror image of the given figure, if mirror is placed to the right.



A.



В.



C.



D.



2. Which of the following options is exactly embedded in the given figure as one of its parts?



۸



В.



C.



D.



3. Find the missing number, if same rule is followed in all the three figures.

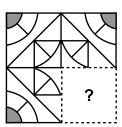
A. 180

B. 160

C. 420

D. 240

4. Which of the following options will complete the given figure pattern?



Δ



R

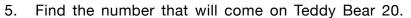


C



D





В. 7



If 'Room' is called 'Bed', 'Bed' is called 'Window', 'Window' is called 'Flower' and 'Flower' is called 'Cooler', then on what would a man sleeps?

A. Window

A. 5

B. Bed

C. Flower

C. 9

D. Cooler

D. 6

Select the combination of numbers so that letters are arranged accordingly to form a meaningful English word.

> UITMEN 123456

A. 4, 3, 1, 6, 5, 2

B. 4, 2, 6, 1, 3, 5 C. 1, 2, 4, 6, 5, 3 D. 3, 5, 2, 6, 1, 4

A puppy was born on November 7.

| November, 20XX | | | | | | | | | |
|-----------------------------|----|----|----|----|----|----|--|--|--|
| Sun Mon Tues Wed Thu Fri Sa | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | | | |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | | | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | | | |
| 29 | 30 | | | | | | | | |

How many days old was the puppy on November 22?

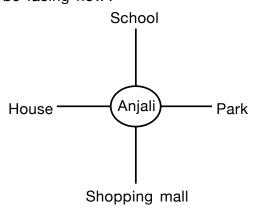
A. 11

B. 15

C. 16

D. 22

Anjali is facing the School. She first makes a $\frac{3}{4}$ turn to the left and then a $\frac{1}{2}$ turn to the right. What will she be facing now?



A. School

B. Park

C. Shopping Mall

D. House

| 10. | The | re | are | 5 | girls | sta | ndin | g | in | а | row |
|-----|-----|----|------|----|-------|-----|--------|----|----|----|-----|
| | • | Ν | isha | is | seco | ond | airl 1 | ro | m | la | st. |

- TVISITA IS SCOTIA GITT ITOTT TASE.
- Shreya is between Manju and Nitika.
- Payal is just after Nisha.
- Manju is in the middle.

Who is at the first position?

A. Manju

B. Shreya

C. Nitika

D. Payal

MATHEMATICAL REASONING

11. Which of the following figures has fraction of unshaded part less than the fraction of shaded part of the given figure?



A.



В.



C.



D.



12. If



= 326 and



2

= 230, then find the value of



- A. 414
- B. 430

- C. 420
- D. 422
- 13. The smallest 4-digit number which is a multiple of 13 also is ______
 - A. 1000
- B. 9999
- C. 1013
- D. 1001

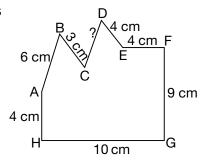
14. Compare and fill the box.

A. >

B. <

C. =

- D. Can't be determined
- 15. The perimeter of the given figure (not drawn to scale) is 49 cm. Find the length of CD.
 - A. 5 cm
 - B. 12 cm
 - C. 9 cm
 - D. 8 cm



| 10. | | nes is | | ight thousands five | | | | |
|-----|--|--|-----------|---|---|---|------------------------------|---|
| | A. 588 | | _ В. | 5452 | C. | 5228 | D. | 5128 |
| 17. | | | | en the smallest 5-d all the digits 2, 5, 8 | • | | the g | greatest 5-digit odd |
| | A. 235 | 578 | B. | 63945 | C. | 63954 | D. | 87523 |
| 18. | | _ | - | nka is less than 70 of the following is | - | • | le of | 7. In 2014, her age |
| | A. 36 | years | | | B. | 42 years | | |
| | C. 60 | years | | | D. | 66 years | | |
| 19. | A perfo | rmance begar | n at | 19:45. It lasts for 1 | hou | ır 25 minutes. At | what | t time did it end? |
| | A. 20: | 10 | B. | 20:25 | C. | 21:05 | D. | 21:10 |
| 20. | Find the | e sum of the f | irst | 6 multiples of 6. | | | | |
| | A. 84 | | В. | | C. | 126 | D. | 147 |
| | | | | | | | | |
| | | | | EVERYDAY | | TITRAATIOO | | |
| | | | | EVERTUAL | WAI | HEMATICS | | |
| 21 | Mohan' | s mother had | ⊿ ar | | | | oo fr | iends half an annle |
| 21. | | | - | | ch or | ne of Mohan's thr | ree fr | iends half an apple |
| 21. | | | of t | oples. She gave eac | ch or | ne of Mohan's thr ned? | | iends half an apple |
| | to eat. \(\text{A.} \) A. 1 Mohit e | What fraction | of the B. | oples. She gave each $1\frac{1}{2}$ | ch or main C. | ne of Mohan's thined? | D. | |
| | to eat. \(\text{A.} \) A. 1 Mohit e | What fraction earns ₹ 5503 in will he save in | of the B. | oples. She gave each $1\frac{1}{2}$ month. Every month ears? | ch or main C. | ne of Mohan's thined? | D. | 2 1/2 |
| 22. | to eat. \A. 1 Mohit e much w A. ₹9 | what fraction arns ₹ 5503 in vill he save in 0150 ought a story | of the B. | oples. She gave eache 4 apples was re 1 1/2 month. Every monthears? ₹ 12848 | ch or main C. n, he C. | ne of Mohan's thined? 2 spends ₹ 2186 a ₹ 97608 drawing books w | D. and s D. worth | $2\frac{1}{2}$ aves the rest. How ₹ 79608 ₹ 1926 each. Find |
| 22. | to eat. \A. 1 Mohit e much w A. ₹ 9 Rajni bo the esti | what fraction arns ₹ 5503 in vill he save in 0150 ought a story | of the B. | oples. She gave eache 4 apples was re 1 1/2 month. Every monthears? ₹ 12848 | ch or main C. n, he C. two (rou | ne of Mohan's thined? 2 spends ₹ 2186 a ₹ 97608 drawing books w | D. and s D. worth rest to | $2\frac{1}{2}$ aves the rest. How ₹ 79608 ₹ 1926 each. Find |
| 22. | to eat. \A. 1 Mohit e much w A. ₹9 Rajni bo the esti A. ₹6 Amit w | What fraction earns ₹ 5503 in vill he save in 0150 ought a story mated amoun 340 ent for a wa | of the B. | oples. She gave eache 4 apples was restaine 4 apples was restained at \$1\frac{1}{2}\$ month. Every month ears? ₹ 12848 worth ₹ 2483 and money paid by here ₹ 4630 | ch or main C. two (rou C. | ne of Mohan's thined? 2 spends ₹ 2186 a ₹ 97608 drawing books winded to the near ₹ 4460 7:00 a.m. If it | D. D. worth rest to | $2\frac{1}{2}$ aves the rest. How ₹ 79608 ₹ 1926 each. Find ens). |

| 25. | | hi worked fo earn? | r 8 hours | at the exhi | bition. She | was paid ₹ | 95 for an h | our. How r | much did |
|-----|------|-------------------------------------|-----------|--------------|---------------|-------------|-------------|--------------|--------------|
| | A. | ₹ 760 | B. | ₹ 670 | C. | ₹ 700 | D. | ₹ 750 | |
| 26. | | g of onions o | | _ | | | _ | • | hen how |
| | A. | ₹ 400 | B. | ₹ 180 | C. | ₹ 480 | D. | ₹ 300 | |
| 27. | | total length cm longer t | • | | | | _ | • | ribbon is |
| | A. | 20 cm | B. | 40 cm | C. | 200 cm | D. | 400 cm | |
| 28. | | nya is 13 yea I the age of | | avya is 15 y | ears older th | an Manya. | Akshita is | half of Kav | ya's age. |
| | A. | 16 years | B. | 12 years | C. | 14 years | D. | 18 years | |
| 29. | and | Sharma and d₹ 2900 on t them? | _ | | - | - | • | | |
| | A. | ₹ 11107 | B. | ₹ 11170 | C. | ₹ 17100 | D. | ₹ 11173 | |
| 30. | | an bought 6 k v much whea | - | | • | nd 3 kg 850 | g of wheat | t from anotl | ner shop. |
| | A. | 16 kg 300 g | | | B. | 15 kg 170 |) g | | |
| | C. | 10 kg 900 g | | | D. | 10 kg 350 |) g | | |
| | | | | ACHIE | EVERS SEC | CTION | | | |
| | | | | | | | | | |
| 21 | Eine | d the value o | f P-Q | | | | | | 17 04 |

31. Find the value of $\frac{P-Q}{R}$.

A. 1

B. $\frac{1}{3}$ C. 0

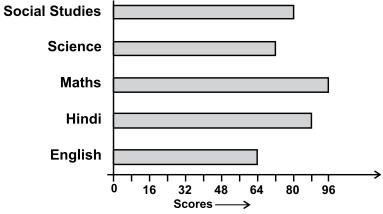
- 32. A basket with 30 pears weighs 11 kg 200 g. The same basket with 18 pears weighs 7 kg. If each pear in the basket has the same weight,
 - (a) What is the weight of 1 pear?

D. 2

- (b) If cost of basket with 1 kg pears is ₹ 24, what is the cost of basket with 12 kg pears?
 - (a)

(b)

- A. 280 g
- ₹ 264
- B. 350 g
- ₹ 264
- C. 280 g
- ₹ 288
- D. 350 g
- ₹ 288
- 33. Study the given bar graph showing marks scored by a student in different subjects and answer the following question.

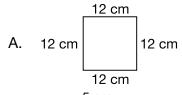


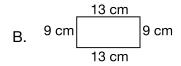
Find the difference between the highest marks scored and total number of marks scored in Maths and Hindi.

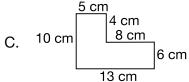
A. 80

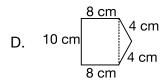
B. 88

- C. 96
- D. 184
- 34. If $\cancel{\ }$ + $\cancel{\ }$ = 2780 and $\cancel{\ }$ + $\cancel{\ }$ + $\cancel{\ }$ = 1690, then find the value of $\cancel{\ }$ + $\cancel{\ }$.
 - A. 4506
- B. 4560
- C. 9450
- D. 3435
- 35. Which of the following figures has the largest perimeter?









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