



DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

CLASS 2

SET-B



SOF INTERNATIONAL
MATHEMATICS OLYMPIAD
2024-25

Total Questions : 35 | Time : 1 hr.

Guidelines for the Candidate

1. You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
2. Write your **Name, School Code, Class, Section, Roll No. and 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. This 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. Eg:
Q. 16: Pooja drinks 10 glasses of water in one day. If she drinks same amount of water every day, then how many glasses of water will she drink in one week?
A. 70 B. 40 C. 50 D. 85
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 spaces 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 spaces provided before attempting this paper.

Name:

SOF Olympiad Roll No.: Contact No.:



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LOGICAL REASONING

- 1 Sonal went for drawing classes on every Sunday of January 20XX. How many days did she go for drawing classes in that month?

A. 10
B. 4
C. 6
D. 8

JANUARY 20XX						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		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	31		

- 2 Letter _____ is second to the left of third letter from the right end.

COMPUTER (Right)

A. M B. P C. T D. U

- 3 Study the given pattern carefully. What will be the number of  in Pattern 6?



Pattern 1



Pattern 2



Pattern 3

A. 22 B. 20 C. 18 D. 24

- 4 If 'Elephant' is called 'Rabbit', 'Rabbit' is called 'Squirrel' and 'Squirrel' is called 'Dog' then _____ generally lives on a tree.

A. Squirrel B. Rabbit C. Dog D. Elephant

- 5 Which of the following shapes is NOT present in the given figure?

A. Circle B. Rectangle
C. Triangle D. Square



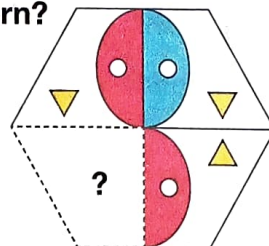
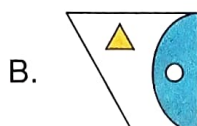
- 6 Which of the following figures is exactly embedded in the given figure as one of its parts?

A. Z B. F
C. P D. K



SPACE FOR ROUGH WORK

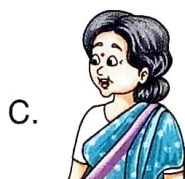
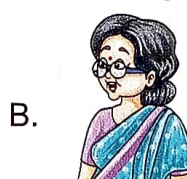
7 Which of the following options will complete the given figure pattern?



8 There is a certain relationship between the pair of objects on the either side of ::. Identify the relationship between the left pair and find the missing object.



9 Which of the following figures is exactly same as the given figure?



10 How many different possible ways are there for Nidhi to go to the playground?



A. 6

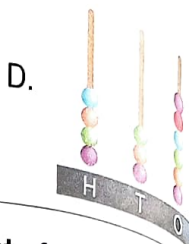
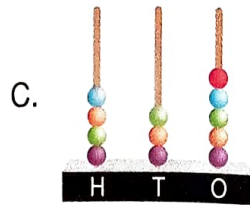
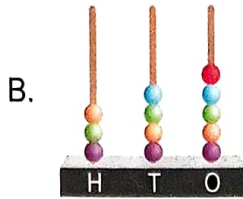
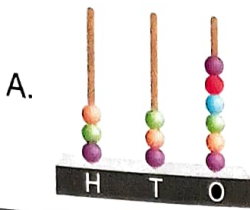
B. 4

C. 5

D. 3

SPACE FOR ROUGH WORK

- 11** Which of the following abacuses shows four hundred and thirty six?

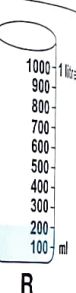
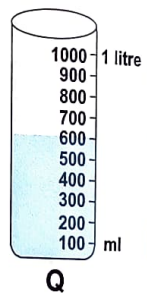
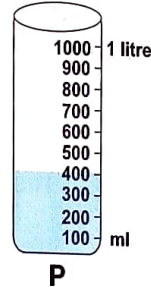


- 12** Which of the following options shows the same amount as the cost of given toy guitar?



- 13** Which cylinder(s) contain(s) less than 500 ml of water?

- A. Only P
B. Only Q
C. Only R
D. Both P and R



- 14** There is/are _____ more curved line(s) than slanting lines in the given figure.

- A. 0
B. 1
C. 2
D. 3



- 15** Identify the number using the given clues.





- A. 48
B. 26
C. 15
D. 36




- It is a 2-digit even number.
- The difference of its digits is 4.
- It is less than 30.

SPACE FOR ROUGH WORK

DIRECTIONS (16-17) : The given pictograph shows the number of Mathematics questions solved by four friends in a week. Study the given pictograph carefully and answer the following questions.

Names	Number of questions solved
Sarthak	  
Manya	   
Rakhi	    
Puneet	   

Each  stands for 5 questions.

- 16** How many more questions were solved by Rakhi than Manya?

B. 15

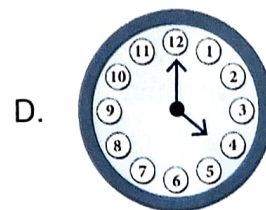
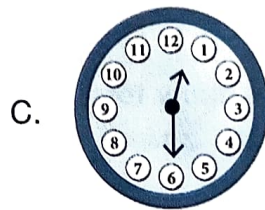
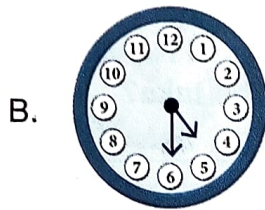
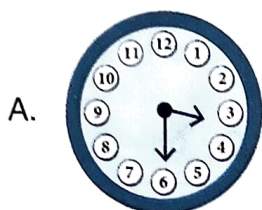
D. 20

- 17** Who among the following solved 15 questions?

B. Sarthak

D. Rakhi

- 18** Which of the following clocks shows the time 2 hours before 2:30?



- 19** Which of the following is the shortest?



B. R

D. Can't be determined



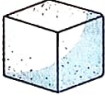
- 20** What is the sum of all 3-digit numbers shown on the star?



B. 945

D. 975

SPACE FOR ROUGH WORK

- 21** Kunal started swimming practice at 5 : 20 p.m. If he practised for 1 hour 10 minutes then at what time did he stop his practice?
 A. 6:20 p.m. B. 6:30 a.m. C. 6:30 p.m. D. 6:40 p.m.
- 22** Mohit had 9 bags of rice. If the weight of rice in each bag is 3 kg, then find the total weight of rice in all the bags.
 A. 30 kg B. 24 kg C. 25 kg D. 27 kg
- 23** Vikas formed the greatest three-digit number lock code for his piggy bank by using the given digits (using each digit at least once). The lock code formed by Vikas is _____.
 A. 660 B. 406
 C. 640 D. 666
- 24** Arun took 13 story books, 12 drawing books, 11 mystery books and 16 G.K. books from the library. How many total books did he take?
 A. 25 B. 42 C. 48 D. 52
- 25** Mahima traced the given shape using a 3-D object. Which of the following could be the object used by her?
 A.  B.  C.  D. All of these
- 26** On a sports day, 58 students participated in the race competition. Out of them, 35 were boys and rest were girls. How many girls participated in the race competition?
 A. 23 B. 25 C. 27 D. 21
- 27** Rakesh filled 45 litres of petrol in his car and used 30 litres of petrol in travelling. How much quantity of petrol is left in his car?
 A. 18 litres B. 25 litres C. 15 litres D. 10 litres
- 28** Anubhav receives ₹ 50 as pocket money every month. How much total money will he receive in 6 months?
 A. ₹ 150 B. ₹ 300 C. ₹ 200 D. ₹ 350

SPACE FOR ROUGH WORK

- 29 Pranav collected 250 , Varun collected 315  and Aniket collected 275 . Who collected the least number of ?

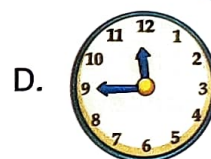
A. Varun B. Aniket C. Pranav D. Can't say

- 30 One morning, the temperature of Manali was 16°C and in the evening, the temperature was 5°C . How much temperature decreased from morning to evening?

A. 7°C B. 11°C C. 10°C D. 9°C

ACHIEVERS SECTION

- 31 A cricket match was played in a school ground. The match finished in 4 hours 25 minutes. At what time did the match start, if the time at which the match finished is shown in the given clock?



- 32 Select the INCORRECT option.

A.  has 12 edges and 6 faces.

B. The number of slanting lines in  is 4.

C. The number of triangles in  is 5.

D. None of these

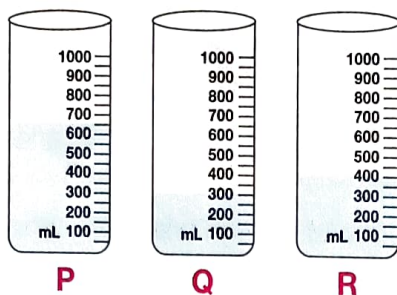
- 33 Find the values of P, R and $P + Q + R$ in the given addition.

P	R	$P + Q + R$
A. 3	5	12
B. 3	4	5
C. 2	2	6
D. 3	5	8

$$\begin{array}{r}
 P \quad 5 \quad 9 \\
 + \quad 2 \quad Q \quad 6 \\
 \hline
 6 \quad 0 \quad R
 \end{array}$$

SPACE FOR ROUGH WORK

- 34 The given picture shows the quantity of water in three beakers P, Q and R.



If 200 mL of water is poured from beaker P to beaker R, then the CORRECT descending order of the beakers as per the new quantity of water contained, is _____.

- A. Q, P, R B. P, Q, R C. R, Q, P D. R, P, Q

- 35 Read the given statements carefully and state T for true and F for false.

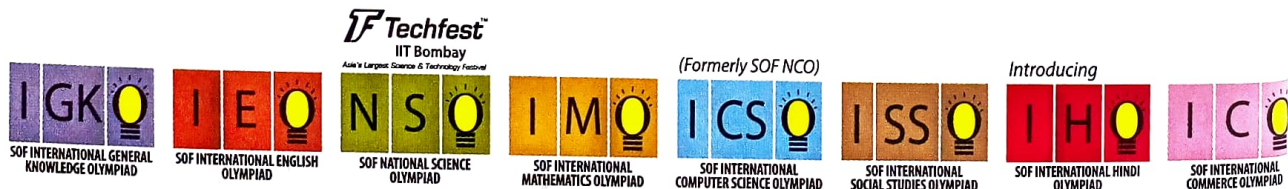
P. The expanded form of greatest 3-digit number is $900 + 90 + 9$.

Q. The place value of digit 5 in 758 is 5 hundreds.

R. The smallest 3-digit number formed by using the digits 3, 7 and 9 each only once is 973.

	P	Q	R
A.	F	T	T
B.	T	F	F
C.	T	F	T
D.	F	F	T

SPACE FOR ROUGH WORK



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