

STaRT-2012

SAMPLE TEST PAPER

CLASS-VI

Time : 90 min.

Maximum Marks : 200

GENERAL INSTRUCTIONS

1. The question paper contains **50** questions, **15** Questions from **Mathematics (1-15)**, **10** questions from **Physics (16-25)**, **5** questions from **Chemistry (26-30)**, **5** questions from **Biology (31-35)**, and **15** questions from **Mental Ability (36-50)**.
2. **The OMR sheet given in the examination hall is the Answer Sheet.**
3. **Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form is not allowed.**
4. **Do not forget to mention your roll number neatly and clearly in the blank space provided in the answer sheet.**
5. **Each Question carries 4 marks. '1' mark will be deduct for each wrong answer. So attempt each question carefully.**
6. **No rough sheets will be provided by the invigilators. All the rough work is to be done in the blank space provided in the question paper.**
7. **In case of any dispute, the answer filled in the OMR sheet available with the institute shall be final.**

Name : _____ Roll No. : _____

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1. Find the value of $\left(\frac{1}{2} - \frac{1}{3} + \frac{1}{4}\right)$.
(A) 5/24 (B) 10/12 (C) - 1/12 (D) 5/12
2. If Mrs. Sharma bought 18.5 litres of ghee for Rs. 3931.25, then cost of ghee per litre is :
(A) Rs. 212.50 (B) Rs. 222.50 (C) Rs. 237.50 (D) Rs. 243.50
3. Desending order of fraction $\frac{1}{5}, \frac{3}{7}, \frac{7}{10}, \frac{13}{28}$ is :
(A) $\frac{13}{28} > \frac{7}{10} > \frac{3}{7} > \frac{1}{5}$ (B) $\frac{13}{8} < \frac{7}{10} < \frac{3}{7} < \frac{1}{5}$
(C) $\frac{7}{10} > \frac{13}{28} > \frac{3}{7} > \frac{1}{5}$ (D) None of these
4. Successor of 999 is :
(A) 100 (B) 1000 (C) 998 (D) 000
5. Which one of the following is a prime number :
(A) 161 (B) 171 (C) 173 (D) 221
6. In a school, $\frac{4}{5}$ of the children are boys and the number of girls is 100. Find the number of boys in school.
(A) 80 (B) 125 (C) 400 (D) 500
7. If A = - 1, B = - 2, C = 3, find the value of $(A + 1) (B + 1) (C + 1) + 7$.
(A) 7 (B) 0 (C) 8 (D) 10
8. From one corner of a square of side 8 cm, a small square of side 1 cm is cut off. What is the perimeter of the remaining figure ?
(A) 28 cm (B) 30 cm (C) 32 cm (D) 34 cm
9. Find the circumference of a circle of radius 14 cm.
(A) 70 cm (B) 88 cm (C) 75 cm (D) 38 cm
10. How many lines can be drawn through a single point
(A) 1 (B) Infinite (C) Finite (D) None of these
11. Sunil scored 35, 40, 42 and 63 runs in 4 one day matches. What was his average score ?
(A) 29 (B) 45 (C) 90 (D) 35
12. Subtracting 40% of a number from the number, we get the result as 30, then find the number.
(A) 28 (B) 50 (C) 52 (D) 70

Space For Rough Work



13. Which of the following is not an improper fraction ?
(A) $\frac{4}{3}$ (B) $\frac{3}{2}$ (C) $\frac{5}{3}$ (D) $\frac{7}{11}$
14. A car runs 16 km using 1 litre of petrol. How much distance will it cover using $2\frac{3}{4}$ litres of petro ?
(A) 33 km (B) 42 km (C) 44 km (D) None of these
15. How many natural numbers are there containing 2 digits ?
(A) 90 (B) 99 (C) 100 (D) 89
16. C.G.S. unit of acceleration is :
(A) ms^{-2} (B) cm s^{-2} (C) ms^2 (D) cm s^2
17. 1 calorie equals to :
(A) 3.5 joule (B) 4.81 joule (C) 4.18 joule (D) 3.9 joule
18. The atmospheric pressure on our body is :
(A) 10^2NM^{-2} (B) 10^3NM^{-2} (C) 10^5NM^{-2} (D) 10^4NM^{-2}
19. The earth has _____ natural Satellite.
(A) Five (B) Two (C) One (D) Four
20. Concave lenses is _____.
(A) diverging (B) converging (C) dispersing (D) reflecting
21. Which of the following is a reflector of light ?
(A) Sun (B) Star (C) Moon (D) none of these
22. Static charge produces :
(A) magnetic field
(B) electric field
(C) magnetic and electric filed
(D) none of these
23. Rate of flow of charge is known as :
(A) electric resistance (B) electric potential (C) electric current (D) magnetism
24. Titan is the largest satellite of :
(A) Venus (B) Mars (C) Saturn (D) Jupiter

Space For Rough Work

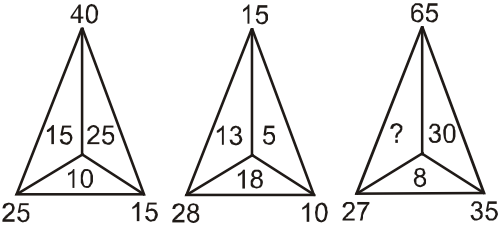


25. Hottest planet of the solar system is :
(A) Mercury (B) Pluto (C) Jupiter (D) Venus
26. Which of the following is an example of chemical change ?
(i) Heating water
(ii) Dissolving common salt in water
(iii) Dissolving sodium in water
(iv) Heating of iron rod
(v) Burning of magnesium wire
(A) (i), (iv) and (v) (B) (i), (iii) and (v) (C) (iii) and (v) (D) (ii), (iii) and (v)
27. A mixture of sand and sugar can be separated by :
(A) dissolving it in a suitable solvent followed by fractional distillation
(B) dissolving it in a suitable solvent followed by filtration and crystallization
(C) sedimentation
(D) threshing
28. Dirty water contains germs and can be harmful, so swimming pools are disinfected by bubbling through water a controlled amount of :
(A) air (B) oxygen (C) bromine (D) chlorine
29. Which of the following have long chains of protein ?
(A) Jute (B) Cotton (C) Silk and Wool (D) All of the above
30. Which of the following is similar to cotton ?
(A) Nylon (B) Dacron (C) Jute (D) Terylene
31. Which gas in the atmosphere is essential for respiration ?
(A) Oxygen (B) Nitrogen (C) Carbon dioxide (D) Helium
32. Sunshine vitamin is -
(A) Vitamin - A (B) Vitamin - D (C) Vitamin - K (D) Vitamin - E
33. Global warming is caused when air has in excess -
(A) Oxygen (B) Water (C) Carbon - dioxide (D) NO₂
34. _____ is a carnivorous animal.
(A) Cow (B) Tiger (C) Goat (D) Rabbit
35. Which plant part is usually not present in air ?
(A) Stem (B) Leaf (C) Flower (D) Root

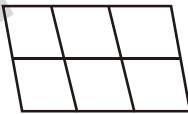
Space For Rough Work

Directions : (36 to 38) Find the missing term(s)—

36. 7, 9, 13, 21 ?
(A) 30 (B) 32 (C) 35 (D) 37
37. Y, W, U, S, Q, ?, ?
(A) NJ (B) ML (C) JR (D) OM

38. 
(A) 20 (B) 25
(C) 30 (D) 38

39. In a certain code, MADRAS is coded as NBESBT. How BOMBAY coded in that code ?
(A) CPNCBX (B) CPNCBZ (C) CPOCBZ (D) CQOCBZ

40. How many parallelograms are there in the figure given below ?
(A) 15 (B) 16 (C) 18 (D) 17
- 

Direction : (41) In the following question, find which one word cannot be made from the letters of the given word.

41. UNCOMMANDED
(A) MACRON (B) AMEND (C) DEAD (D) COMMAND

Direction : (42) In the following question, there are four choices. Three of them are alike and form a group, while one of them is different. Find the odd-man-out as directed.

42. (A) Triangle (B) Square (C) Circle (D) Rectangle

Space For Rough Work

Direction : (43) Arrange the words in the sequence in which they occur in dictionary. Find out the correct alternative and mark it on your answer- sheet.

43. (1) Virtuous (2) Virulence (3) Viscous (4) Visionary
(A) 1,2,3,4 (B) 2,1,3,4 (C) 3,4,1,2 (D) 4,1,2,3
44. What is the value of $2 - [3 - \{4 - (2 - 3)\}]$?
(A) 4 (B) 13 (C) 19 (D) 6
45. Find the missing terms(s) —
29, 34, 32, 37, 35, 40, ?
(A) 24 (B) 27 (C) 36 (D) 38
46. If A and B are two sons of a farmer C. C has a daughter D. How is D related to A ?
(A) Sister (B) Daughter (C) Sister-in-law (D) Daughter - in - law
47. Three years ago Raju was 8 years younger than Sanju. What will be difference between their ages after 5 years
(A) 8 years (B) 7 years (C) 12 years (D) 15 years
48. A class of boys stand in a long line. One boy is 9th in order from both ends. How many boys are there in the class ?
(A) 17 (B) 18 (C) 20 (D) 37
49. Ram starts from his house and walk 5 km., west then he turns left and walks 5 km., then again left and walks 5 km., At what distance is he from the starting point ?
(A) 5 km (B) 6 km (C) 7 km (D) 10 km
50. Which letter comes half way between G and S in the alphabet
(A) M (B) N (C) O (D) P

ANSWER

Ques.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	D	A	C	B	C	C	A	C	B	B	B	B	D	C	A
Ques.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	B	C	C	C	A	C	B	C	C	D	C	B	D	C	C
Ques.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	A	B	C	B	D	D	D	D	B	C	A	C	A	A	D
Ques.	46	47	48	49	50										
Ans.	A	A	A	A	A										