

FOR MOVING TO CLASS 9TH (EXPLORE)
SAMPLE TEST

Time: 1 Hr

Max Marks : 180

The Test Consists of Four Sections : (TOTAL 45 QUESTIONS)

Section	No. of Questions	Syllabus
Section A : Calculation	10 Q.	No. specific preparation required General Maths & Science of Class 8
Section B : Reasoning	10 Q.	
Section C : Scholastic Aptitude	25 Q.	

INSTRUCTIONS TO CANDIDATE

- Each subject in this paper consists of multiple choice questions with only one correct answer. **+4 marks** will be awarded for correct answer and **-1 mark** for wrong answer.
- Please read the instructions given for each question carefully and fill the correct answer against the question numbers on the answer sheet in the respective subject.
- Use blue or black ball point pen to darken the appropriate circle & mark should completely fill the circle.
- The Question paper contains blank spaces for your rough work. No additional sheet will be provided for rough work.
- Blank papers, Clipboards, Log Tables, Slide rule, Calculators, Cellular phones, Pagers and Electronic gadgets in any form are not allowed.
- Write your Name, Student ID in the block at the top of the Answer Sheet. Also write your Name & Student ID in the space provided on this cover page of question paper.
- **This is a Sample Test Paper Actual Paper Pattern may vary.**

Name: _____ Student ID _____

SECTION - A
CALCULATION

1. 64% of 842 – $?\%$ of 426 = 334.4
(A) 34 (B) 38
(C) 42 (D) None of these
2. $180 \times 18 \times 8 - 8888 = ?$
(A) 14036 (B) 15048
(C) 16012 (D) 17032
3. $68.8 \times 14.7 \times 7.1 = ?$
(A) 7108.565 (B) 7018.665
(C) 7180.656 (D) 7081.556
4. $3.7 \times 8.2 \times 10.8 - 29.921 = ?$
(A) 287.951 (B) 307.951
(C) 297.751 (D) 317.951
5. $15.75 \div 2.25 = 0.7 \times ?$
(A) 7 (B) 10
(C) 0.07 (D) 1
6. $7432 \div 32 \times ? = 2787$
(A) 8 (B) 14
(C) 15 (D) 12
7. $(4.6 \times 2.8 \times 5.5) - (3.2 \times 4.5 \times 2.8) = ?$
(A) 36.28 (B) 30.42
(C) 28.35 (D) None of these
8. $\sqrt{2304} \times \sqrt{?} = 2832$
(A) 3249 (B) 3481
(C) 3721 (D) 3969
9. $4550 \div 25\%$ of $? = 130$
(A) 145 (B) 140
(C) 125 (D) 160
10. $2110 \div 25 + 350 \div 50 = ?$
(A) 91.4 (B) 8.688
(C) 281.33 (D) 86.2

SECTION - B
REASONING

11. A rich merchant had collected many gold coins. He did not want anybody to know about them. One day, his wife asked, "How many gold coins do we have?" After pausing a moment, he replied, "Well! If I divide the coins into two unequal numbers, then 45 times the difference between the two numbers equals the difference between the squares of the two numbers." The wife looked puzzled. Can you help the merchant's wife by finding out how many gold coins they have?
(A) 45 (B) 25
(C) 55 (D) 85
12. Robert:
"When I add 2 times my age 2 years from now to 3 times my age 3 years from now, I get 6 times my current age. How old will I be 4 years from now?"
(A) 14 (B) 16
(C) 17 (D) 20
13. When the words COAT, CARD, BAKE, and TREE are written one below the other, the word that is formed diagonally from left to right is –
(A) cars (B) care
(C) cart (D) cake
14. There is a pole in a lake. One-half of the pole is in the ground, another one-third of it is covered by water, and 9 ft is out of the water. What is the total length of the pole in ft?
(A) 54 (B) 27 (C) 35 (D) 42
15. Find the logically consistent pair of sentences on the basis of the given information.
Porridge is not sweet when served without love
A. Porridge is sweet B. Porridge is not sweet
C. Porridge is served with love
D. Porridge is served without love
(A) BC (B) DA (C) DB (D) I



Space for Rough work

16. In a code language, if BEAT is coded as 5642 and SWEET is coded as 66912, how would you code TEASE?

- (A) 96162 (B) 56264
(C) 96625 (D) 55296

17. In a class, the names of boys are arranged alphabetically. Gaurav and Saurabh have 14 boys between them. If Gaurav is 37th from the bottom, Saurabh would be at what position from the top?

- (A) 25th (B) 28th
(C) 27th (D) Can't be determined

Directions : (Q18) Following questions are based on the information given below:

1. 'P×Q' means 'P is the father of Q'
2. 'P-Q' means 'P is the sister of Q'
3. 'P+Q' means 'P is the mother of Q'
4. 'P÷Q' means 'P is the brother of Q'

18. Which of the following represents 'J is the son of F'?

- (A) $J \div R - T \times F$ (B) $J + R - T \times F$
(C) $J \div M - N \times F$ (D) None of these

Directions : (Q19) The question below consist of a question followed by two statements labelled as I and II. You have to decide if these statements are sufficient to conclusively answer the question. Give your answer as:

- (A) if statement I alone is sufficient to answer the question;
(B) if statement II alone is sufficient to answer the question;
(C) if statement I and II together are needed to answer the question;
(D) if statement I or II alone are sufficient to answer the question;

19. Who is older – Ritu or Situ?

- I. Situ was born in the year 1980 and is 5 years younger than Ritu's brother.
II. Ritu is twice as older as her brother.

Directions : (Q20) Each of the following questions has a matrix with a question mark in one block. Replace the question mark by choosing the correct response from amongst the alternatives given.

20.

6	8	?
9	3	13
10	14	1

- (A) 11 (B) 9
(C) 7 (D) 5

SECTION - C
SCHOLASTIC APTITUDE

21. Which one of the following condition is not essential to grow maize?
(A) High temperature (B) Humidity
(C) Low temperature (D) Rainfall
22. Which of the following reproduces only inside a host cell?
(A) Bacteria (B) Virus
(C) Amoeba (D) Fungus.
23. Pick the synthetic fibre out of the following?
(A) Cotton (B) Nylon
(C) Jute (D) Wool
24. Which of the following is not a metal?
(A) copper (B) sulphur
(C) aluminium (D) iron
25. Various materials which are obtained from nature Are called natural resources. Which of the following is not a natural resource?
(A) minerals (B) water (C) soil (D) plastic
26. A substance which reacts with oxygen giving heat is called a combustible substance. Which, one of the following is a combustible substance?
(A) iron nail (B) glass (C) stone piece (D) wood
27. Wild buffalo is an endangered species because
(A) its population is diminishing
(B) it has become extinct
(C) it is found exclusively in a particular area
(D) its poaching is strictly prohibited

28. Choose the correct statement with respect to unicellular organisms :
(A) in unicellular organisms, tissues work in co-ordination to perform different functions.
(B) unicellular organisms do not require food.
(C) unicellular organisms respire and reproduce.
(D) all unicellular organisms move by cilia.
29. Sets of reproductive terms are given below. Choose the set that has an incorrect combination.
(A) sperm, testis, sperm duct, penis
(B) menstruation, egg, oviduct, uterus
(C) sperm, oviduct, egg, uterus
(D) ovulation, egg, oviduct, uterus
30. The belief that the mother is completely responsible for the sex of the child is wrong because the child
(A) gets sex chromosome only from the mother.
(B) develops in the body of the mother.
(C) gets one sex chromosome from the mother and the other from the father.
(D) gets sex chromosome only from the father.



41. The value of $(a^{1/8} + a^{-1/8})(a^{1/8} - a^{-1/8})(a^{1/4} + a^{-1/4})(a^{1/2} + a^{-1/2})$ is :
- (A) $(a + a^{-1})$ (B) $(a - a^{-1})$
(C) $(a^2 + a^{-2})$ (D) $(a^2 - a^{-2})$
42. The sum of two numbers is 2490 and if 6.5% of one number is equal to 8.5% of the other, then numbers are :
- (A) 1414, 1076 (B) 1411, 1079
(C) 1412, 1078 (D) none of these
43. The value of $\sqrt{7+2\sqrt{10}}$ is :
- (A) $\sqrt{6} + \sqrt{1}$ (B) $\sqrt{4} + \sqrt{3}$
(C) $\sqrt{5} + \sqrt{2}$ (D) $2 + \sqrt{5}$
44. A general arranges his soldiers in rows to form a perfect square. He finds that in doing so, 60 soldiers are left out. If the total number of soldiers be 8160. Then the number of soldiers in each row is :
- (A) 90 (B) 91
(C) 92 (D) 80
45. The unit digit in the product $(327)^{173}$ is :
- (A) 9 (B) 7
(C) 1 (D) 3
-



Space for Rough work

ANSWER KEY

SECTION - A CALCULATION

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

SECTION - B REASONING

-
- | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | (A) | 12. | (C) | 13. | (D) | 14. | (A) | 15. | (C) | 16. | (C) |
| 17. | (D) | 18. | (D) | 19. | (C) | 20. | (A) | | | | |

SECTION - C SCHOLASTIC APTITUDE

-
- | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 21. | (C) | 22. | (B) | 23. | (B) | 24. | (B) | 25. | (D) | 26. | (D) |
| 27. | (A) | 28. | (C) | 29. | (C) | 30. | (C) | 31. | (A) | 32. | (D) |
| 33. | (B) | 34. | (D) | 35. | (A) | 36. | (A) | 37. | (D) | 38. | (B) |
| 39. | (A) | 40. | (B) | 41. | (B) | 42. | (B) | 43. | (C) | 44. | (A) |
| 45. | (B) | | | | | | | | | | |