



CLASS – V
SAMPLE PAPER

Concept Scholarship cum Admission Test

Time Limit: 1hr.

Maximum Marks: 160

INSTRUCTION:

- Paper consists of a Science and Mathematics part containing 40 questions.
- Each question has FOUR options. ONLY ONE of these four options is the correct answer.
- For each question, choose the option corresponding to the correct answer in OMR sheet.
- Answer to each question will be evaluated according to the following marking scheme:
 - Full marks: +4 for every correct answer.
 - Zero marks: 0 if none of the options is chosen. (i.e., the answer is unanswered)
 - Negative marks: -1 for every incorrect answer.
- Don't write anything on the question paper except on the rough space given.
- Use only black or blue ballpoint pen.

1. Which of the following framework of bones protects our heart and lungs?

- a) Spinal cord
- b) Skull
- c) Rib cage
- d) Pivot joint

2. A sweet potato is a _____ of the plant

- a) Stem
- b) Root
- c) Flower
- d) Leaf

3. Identify the invertebrate from the following

- a) Python
- b) Shark
- c) Grasshopper
- d) Dog

4. Which of the following statement is correct?
- a) Seeds which have tufts of hairs on them get dispersed by water
 - b) Seeds which have hooks or spines on them get dispersed by explosion of fruits
 - c) Seeds of madar and dandelion get dispersed by water
 - d) Seeds of papaya, melon and apple get dispersed by wind
5. Waves which range from 20 Hz to 20,000 Hz
- a) Cannot be heard by human beings
 - b) Is the hearing range of human beings
 - c) Is the hearing range of bat
 - d) Is the hearing range of dolphins
6. Which one of the following types of energy is possessed by a body when it is placed at a certain height from the ground?
- a) Kinetic energy
 - b) Potential energy
 - c) Heat energy
 - d) Sound energy
7. What was the name of the first spacecraft that landed humans on the moon?
- a) Apollo 11
 - b) Sputnik 1
 - c) Mangalyaan
 - d) Aryabhata
8. Which one of the following is a correct match?
- a) Marble-Limestone
 - b) Copper-Non-Metallic mineral
 - c) Magnetite-cannot attract magnet
 - d) Gypsum-Metallic mineral
9. Aim of Kyoto protocol is to
- a) Reduce the use of paper
 - b) Reduce the use of artificial fiber
 - c) Reduce the emission of greenhouse gasses
 - d) Reduce the accumulation of waste like metal, paper, cloths and rubber etc
10. In human body, atlas is found in
- a) Ankle
 - b) Limbs
 - c) Backbone
 - d) Nose

11. Which kind of energy does a moving object possess?

- a) Potential energy
- b) Kinetic energy
- c) Magnetic energy
- d) Electrical energy

12. Read the following statements and choose the correct option.

Statement A: The purpose of a simple machine is to make work easier by allowing for a push or pull to occur over an increased distance.

Statement B: A compound/complex machine is two or more simple machines that are working together to make work easier.

- a) Only statement A is true.
- b) Only statement B is true.
- c) Both A and B are true.
- d) Both A and B are untrue.

13. Read the following sentences and choose the correct option.

A. When a solid changes to a liquid, it is called melting.

B. Liquids are easy to compress.

C. When a gas changes into a liquid, it is called condensation.

D. The particles of a gas are packed tightly together.

- (a) TFTF
- (b) FTFT
- (c) TTFF
- (d) FTFT

14. I painted the inner four walls of a box. Then I put an ice block into it so that it did not touch the walls, but I couldn't do the same when I put water in that box. Why?

- (a) Liquid takes the shape of a container, so it will always touch the walls of the box in which you put it.
- (b) The molecules of liquids are more tightly packed than that of gases.
- (c) Both (a) and (b)
- (d) Neither (a) nor (b)

15. Playing in a team with the correct team spirit is very important. A team is headed by a

- (a) Referee
- (b) Captain
- (c) Team-member
- (d) Coach

16. The group of ants living together is called a _____.
- (a) society
 - (b) street
 - (c) colony
 - (d) state

17. It was a sunny day, Ram was watching a movie with his family. Suddenly he heard a noise coming from his neighbor's house. Somebody was shouting "help, please help". If you were in Ram's place what would you do?
- (a) Go to the neighbor's house and try to find out what is the matter actually and help accordingly.
 - (b) Straight away call the police.
 - (c) Ignore the noise and continue watching the movie.
 - (d) Start shouting 'Please help them'.

18. Tides are caused by _____.
- (a) Gravitational pull of Earth
 - (b) Movement of large ships
 - (c) Gravitational pull of moon
 - (d) None of these

19. What is the main reason that some places on the Earth are warmer than others?
- (a) The Sun is closer to some places than others.
 - (b) The Sun stays above the horizon 24 hours a day in some places.
 - (c) The rays of the Sun are more direct at some places and more slanting at others.
 - (d) Some places experience warm seasons because of underground heat.

20.

Deepika: On the Moon, it is freezing cold at night.

Shubham: The moon is a silent place as sound does not travel there.

Tanuja: There is no atmosphere surrounding the Moon.

Select the correct option regarding the above given statements made by three children.

- (a) Deepika and Tanuja are correct whereas Shubham is incorrect.
- (b) Deepika and Shubham are incorrect whereas Tanuja is correct.
- (c) Tanuja made the correct explanation of Deepika's and Shubham's statements.
- (d) Only Tanuja is correct

21. Roman numerals which cannot be repeated are
- (a) I, X
 - (b) C, M
 - (c) V, L
 - (d) none

22. Which of the following is true or false?

- (A) $XXVIII > 20 + 8$
 - (B) $30 + 4 = XXXVI$
 - (C) $XXVI = 20 + 6$
 - (D) $30 + 8 < XXXIX$
- (a) TFFT
 - (b) FTTT
 - (c) TFFF
 - (d) TTTT

23. The sum of two numbers is 484. One of the numbers ends in a zero. If this zero is removed, we get the second number.

The numbers are _____ and _____.

- (a) 40, 444
- (b) 4, 480
- (c) 44, 440
- (d) 84, 400

24. Which of the following options hold?

Statement 1: The value of $CM - CD + CVII$ is 607.

Statement 2: Symbol C can be added to every Roman Symbol. But it can be subtracted from D and M only.

- (a) Statement 1 is true but statement 2 is false.
- (b) Statement 1 is false but statement 2 is true.
- (c) Both the statements are true.
- (d) Both the statements are false

25. What should be added to the product 103×301 to get 31103?

- (a) 301
- (b) 103
- (c) 110
- (d) 100

26. 100×26.25 is the same as _____.

- (a) 2.625×10
- (b) $2.625 \div 10$
- (c) 2625×10
- (d) $26250 \div 10$

27. Statement A: If one of the two given numbers is a multiple of the other, the greater number is the L.C.M. of the given numbers.

Statement B: The Highest Common Factor of two or more given numbers is the greatest among all their common factors.

- (a) Statement A is correct.
- (b) Statement B is correct.
- (c) Both are correct.
- (d) Both are incorrect

28. Statement A: 30 is the smallest number which when divided by 10 and 15 leaves no remainder.

Statement B: 4 is the largest number that divides 12 and 20 without a remainder.

- (a) A is correct.
- (b) B is correct.
- (c) Both are correct.
- (d) Both are incorrect.

29. Which of the following is closest to $1/2$?

- (a) $5/11$
- (b) $7/18$
- (c) $4/19$
- (d) $3/11$

30. Which of the following holds true or false?

- (A) $0.3 + 0.7 = 10.00$.
- (B) $0.30 + 0.70 = 1.00$.
- (C) $0.30 + 0.70 = 0.10$.
- (D) $0.3 + 0.7 = 1.10$.
- (a) TFFT
- (b) FTFF
- (c) TFFF
- (d) FFTT

31. Consider the following statements and choose the correct option.

Statement A: When a decimal number is multiplied by 10, the decimal point moves to the right by one place.

Statement B: When a decimal number is multiplied by 1000, the decimal point moves to the right by three places.

- (a) Statement A is false and B is true.
- (b) Both statements are true.
- (c) Statement A is true and B is false.
- (d) Both statements are false.

32. $9 + 5 \times 3 - 9 \times 3 + 4 \times (2) = \underline{\hspace{2cm}}$

- (a) 5
- (b) 6
- (c) 8
- (d) 10

33. $11.2 - 0.12 \times 1.2 + 1.2 \div 0.2 = \underline{\hspace{2cm}}$

- (a) 17.56
- (b) 17.056
- (c) 17.560
- (d) 17.65

34. True or false – 7th is the third part of 21. Inversely 21 is three times 7.

- (a) True
- (b) False
- (c) Partially true
- (d) None

35. A sum of money is to be distributed among A, B, C, D in the proportion of 5: 2: 4: 3. If C gets ₹1000 more than D, what is B's share?

- (a) ₹ 500
- (b) ₹1500
- (c) ₹ 2000
- (d) None of these

36. ${}^9P_5 = \dots\dots\dots {}^0P_n$

- (a) ${}^0P_{203}$
- (b) ${}^0P_{200}$
- (c) ${}^0P_{204}$
- (d) ${}^0P_{209}$

37. The breadth of a rectangle is increased by 2 units. Its perimeter is now increased by?

- (a) 2 units
- (b) 4 units
- (c) 8 units
- (d) 16 units

38. If a figure has sides 4 m, 2 m, 4 m and 2 m then which type of figure is this?

- (a) Circle
- (b) Rectangle
- (c) Square
- (d) Triangle

39. Consider the following two statements.

Statement A: If the edge of a cube measures 25 m and $l = 20$ m, $b = 20$ m, $h = 30$ m are the measures of a cuboid then the cuboid has the larger volume.

Statement B: Dilip breaks a rod of 90 cm into four equal pieces. Taking three parts he makes a triangle by joining end to end. Perimeter of the triangle is 67.5 cm.

Which one of the following options is correct about the above statements?

- (a) Statement A is false and B is correct.
- (b) Statement A is true and B is false.
- (c) Both statements are true.
- (d) Both statements are false.

40. Sudha is trying to fit a bed into a corner of a room. She knows that the walls and the floor of the room are perfectly straight. What is the measure of the angle of a corner of the room?

- (a) 0°
- (b) 90°
- (c) 60°
- (d) 120°