

QUESTION PAPER (PHASE - I)

M.M:60

CLASS - VII

Time: 60 Minutes

ENGLISH (15)

Direction (Q1 to 15): Choose the appropriate option:

Q1. Radha said, "It was raining heavily." (Change into Indirect Speech)

- (a) Radha told that it has been raining heavily. (b) Radha said that it had been raining heavily.
(c) Radha said it had been raining heavily. (d) Radha said that it was raining heavily.

Q2. The bell _____ before I entered the class.

- (a) rung (b) rang (c) had rung (d) has rung

Q3. Every man has his duties.

- (a) Demonstrative adjective (b) Possessive adjective
(c) Interrogative adjective (d) Distributive adjective

Q4. We have gifted him a watch. (Change into Passive Voice)

- (a) A watch have been gifted to him by us. (b) A watch has been gifted to him by us.
(c) A watch had been gifted to him by us. (d) A watch gifted to him by us.

Q5. She is very well.

- (a) Verb (b) Adverb (c) Adjective (d) None of these

Q6. I am senior to you, _____?

- (a) do I (b) aren't I (c) don't I (d) amn't I

Q7. Open the window, _____?

- (a) don't you (b) will you (c) aren't you (d) should you

Q8. Each officer and every clerk of this office _____ corrupt.

- (a) is (b) was (c) are (d) Both (a) & (b)

Q9. He said to me, "Don't open the door." (Change into Indirect Speech)

- (a) He asked me to not open the door. (b) He asked me to do not open the door.
(c) He forbade me not to open the door. (d) None of these

Q10. The poet and dramatist _____ dead.

- (a) is (b) have (c) are (d) were

Q11. By this time next month, I _____ a new flat.

- (a) have been buying (b) shall have been buying
(c) shall have bought (d) have bought

Q12. I am contented _____ my lot.

- (a) with (b) at (c) by (d) on

Q13. She is engaged _____ a doctor.

- (a) with (b) to (c) for (d) by

Q14. _____ is a non-finite verb which functions like a noun.

- (a) Infinitive (b) Gerund (c) Participle (d) None of these

Q15. Let me _____ or I will be late for the meeting.

- (a) leave (b) left (c) leaving (d) to leave

MATHS (15)

Q16. If the outer and inner radii of circular path are $2a$, b , then its area is _____ sq. units.

- (a) $\pi(4a^2 - b^2)$ (b) $(4a^2 - b^2)$ (c) $\pi(b^2 - 4a^2)$ (d) $(b^2 - 4a^2)$

Q17. The ratio of circumference to the area of a circle of radius 'r' units is _____.

- (a) $2 : r$ (b) $r : 2$ (c) $1 : r$ (d) $\pi : r$

Q18. When 50 is added to the 50% of a number, then the number becomes itself. Then what will be the number?

- (a) 75 (b) 200 (c) 300 (d) 100

Q19. If $2^3 + 1^3 = 3^x$, then the value of x is

- (a) 0 (b) 1 (c) 2 (d) 3

Q20. If a man buys an article for Rs.80 and sells it for Rs. 120, then gain percentage is _____.

- (a) 50% (b) 25% (c) 45% (d) 125%

Q21. $101 \times (-1) + 0 \div (-1)$ is equal to

- (a) 101 (b) -101 (c) -102 (d) 102

Q22. The sum of rational number $\frac{-1}{3}$ and its reciprocal is _____.

- (a) 0 (b) 1 (c) $\frac{-10}{3}$ (d) $\frac{-3}{10}$

Q23. If the sum of two consecutive even numbers is 54, then the smaller number is _____.

- (a) 25 (b) 26 (c) 27 (d) 28

Q24. The rational number $\frac{-5}{-11}$ lies between _____.

- (a) 0 and 1 (b) 5 and 11 (c) 2 and 3 (d) None

Q25. The value of $\frac{10^{22}+10^{20}}{10^{20}}$ is ____.

- (a) 10 (b) 10^{22} (c) 101 (d) 10^{42}

Q26. In ΔABC , $\angle B=90^\circ$, $AB = 5\text{cm}$ and $AC = 13\text{ cm}$, then $BC= ?$

- (a) 8cm (b) 12cm (c) 18cm (d) None of these

Q27. If an angle is one – third of its supplement, then the measure of the angle is

- (a) 30° (b) 45° (c) 135° (d) 150°

Q28. If the dimensions of a rectangle are 15 m and 8 m, then the length of a diagonal is

- (a) 7 m (b) 23 m (c) 17 m (d) 20 m

Q29. If p, q and r are the lengths of the three sides of a triangle, then which of the following statements is correct?

- (a) $p + q = r$ (b) $p + q > r$ (c) $p + q < r$ (d) $p - q > r$

Q30. The mean of 5 numbers is 18. If one number is excluded then mean is 16. Find the excluded number.

- (a) 20 (b) 10 (c) 16 (d) 26

SCIENCE (15)

PHYSICS (5)

Q31. A pendulum oscillates 20 times in 2 mins. What is the time period of the pendulum?

- (a) 6 sec/os (b) $1/6$ sec/os (c) 10 sec/os (d) $1/10$ sec/os

Q32. Which of the following characteristics is not a suitable for a fuse wire?

- (a) Thin & short (b) Thick & short
(c) Low melting point (d) Higher resistance than rest of wiring

Q33. Which of the following would you prefer to use while reading small letters found in a dictionary?

- (a) A concave mirror (b) A concave lens
(c) A convex mirror (d) A convex lens

Q34. Which of the following is not a characteristic of displacement?

- (a) It is always positive.
(b) It has both magnitude & direction.
(c) It can be zero.
(d) Its magnitude is less than or equal to the actual path length of the object.

Q35. A brass ring is tightly fitted over an iron cylinder. To loosen the ring, the ring system must be_____.

- (a) heated (b) cooled
(c) at first heated then cooled (d) none of these

CHEMISTRY (5)

Q36. Potable water is sterilized by passing_____.

- (a) hydrogen gas (b) chlorine gas (c) bromine gas (d) nitrogen gas

Q37. Sludge in separate tanks is decomposed to get biogas by_____.

- (a) yeast (b) anaerobic bacteria (c) aerobic bacteria (d) none of these

Q38. Which of the following is correct food chain?

- (a) Phytoplankton → Fishes → Zooplankton
(b) Zooplankton → Phytoplankton → Fishes
(c) Phytoplankton → Zooplankton → Fishes
(d) Fishes → Zooplankton → Phytoplankton

Q39. In an endothermic reaction _____.

- (a) heat is given out (b) heat is absorbed
(c) both 'a' & 'b' (d) None of these

Q40. Turmeric is a natural indicator. On adding its paste to acid & base respectively, which colour would be observed?

- (a) Yellow in both acid & base. (b) Yellow in acid & red in base.
(c) Pink in acid & yellow in base. (d) Red in acid & yellow in base.

BIOLOGY (5)

Q41. During respiration in humans, the exchange of gases takes place in-

- (a) Bronchi (b) Alveoli (c) Bronchioles (d) Trachea

Q42. Mitral (Bicuspid) valve in mammals guard the opening between_____.

- (a) stomach & intestine (b) pulmonary vein & left auricle
(c) right atrium & right ventricle (d) left atrium & left ventricle.

Q43. Match the following columns-

- (a) Butterflies (i) sucking
(b) Ant (ii) siphoning
(c) Humming bird (iii) sponging
(d) Housefly (iv) scraping
- (a) a (ii) b (iii) c (iv) d (i) (b) a (iii) b (iv) c (ii) d (i)
(c) a (ii) b (iv) c (i) d (iii) (d) a (iii) b (iv) c (i) d (ii)

Q44. Embryo sac is _____celled and _____ nucleated.

- (a) 7, 8 (b) 8, 7 (c) 7, 7 (d) 8, 8

Q45. In desert plants when leaves are modified into spines then which part of plant carry out photosynthesis?

- (a) Seed (b) Flowers (c) Green Roots (d) Green stem

REASONING (15)

Complete the given series: -

Q46. 10, 100, 200, 310, ?

- (a) 400 (b) 430 (c) 410 (d) 420

Q47. Boat : Oar :: Bicycle : ?

- (a) Pedal (b) Seat (c) Road (d) Wheel

Q48. Choose the word that is different from the rest:

- (a) Parrot (b) Bat (c) Crow (d) Pigeon

Q49. There is a certain relationship between the numbers on the left pair. Establish the same relationship in the right pair and find the missing number.

8: 128: : 9: ?

- (a) 140 (b) 162 (c) 136 (d) 150

Q50. In certain code language, 'DESCRIBE' is written as 'CSEDEBIR'. How will 'COMPUTER' be in the same code language?

- (a) OCPMTURE (b) PMOCRETU (c) PMOCRIBE (d) RETUPMUC

Q51. A person starts towards West direction. Which of the following orders of direction will lead him to South direction?

- (a) Right, Right, Right (b) Left, Left, Left
(c) Left, Right, Right (d) Right, Left, Right

Q52. In a certain code language 'RENOWNED' is written as 'DEENNORW'. How is 'INFORMATION' written in that code?

- (a) NONFIOIRAMT (b) AFIIMNNOORT
(c) AFMINNOORT (d) AIFINMNOROT

Q53. Pointing towards a person, a man said to a woman, "His mother is the only daughter of your father." How is the woman related to that person?

- (a) Daughter (b) Sister (c) Mother (d) Wife

Q54. If $2 \& 6\% 7 = 33$, $4\& 6\% 8 = 54$, then what will be the value of $6 \& 8\% 9 = ?$

- (a) 95 (b) 77 (c) 99 (d) None of these

Q55. 1.12.91 is the first Sunday. Which is the fourth Tuesday of December 91?

- (a) 17.12.91 (b) 24.12.91 (c) 26.12.91 (d) 31.12.91

Q56. At what angle the hands of a clock are inclined at 15 minutes past 5?

- (a) $58\frac{1}{2}^{\circ}$ (b) 64° (c) $67\frac{1}{2}^{\circ}$ (d) $72\frac{1}{2}^{\circ}$

Q57. In certain code language, 'CONCEPT' is written as 'QRFDWSH', then how will 'MASTERS' be written in the same code language?

- (a) VDPUVUH (b) VDPWVUH (c) VPPWHUV (d) VDPUHUV

Q58. Study the following information and answer the question that follow:

- (i) There are six members A, B, C, D, E and F in a room, of which there are two married couples.
- (ii) A and C are married couple.
- (iii) C is the sister of B, who is the father of E.
- (iv) E is the daughter of D and G is the son of A.

How is B related to G?

- (a) Maternal Uncle (b) Cousin (c) Nephew (d) Brother

Q59. Ravi started from a point P. He goes 12 metres towards East and then after turning to his right, he goes 16 metres. Then after turning to his left, he goes 4 metres. Again after turning to his right, he goes 7 metres. Finally, after turning to his right he goes 16 metres. How far is he from the starting point?

- (a) 16 metres (b) 18 metres (c) 27 metres (d) 23 metres

Q60. Choose the word which is different from the rest:

- (a) Rigveda (b) Yajurveda (c) Atharvaveda (d) Ayurveda