

PHYSICS**CHEMISTRY****1. Which material is a magnet ?**

- a) Copper
- b) Wood
- c) Iron
- d) Plastic

2. What causes the formation of a shadow ?

- a) Reflection of light
- b) Refraction of light
- c) Absence of light
- d) Blocking of light

3. Which of the following is an example of a source of light ?

- a) Mirror
- b) Lamp
- c) Paper
- d) Wall

4. How does light travel ?

- a) In curved lines
- b) In straight lines
- c) In zig-zag paths
- d) In circular paths

5. What is the unit of measurement for distance ?

- a) Meter
- b) Kilogram
- c) Second
- d) Ampere

6. Which of these is not a substance ?

- a) Water
- b) Salt
- c) Air
- d) Heat

7. Which is the process of separating insoluble substances from liquids ?

- a) Filtration
- b) Boiling
- c) Condensation
- d) Evaporation

8. What is the air around us made of ?

- a) Nitrogen
- b) Oxygen
- c) Carbon Dioxide
- d) All of the above

9. Which of these materials is a conductor of electricity ?

- a) Wood
- b) Plastic
- c) Copper
- d) Glass

10. Which of the following is used for sorting materials ?

- a) Magnifying glass
- b) Magnet
- c) Telescope
- d) Microscope

BIOLOGY

11. Which body part helps in movement ?

- a) Heart
- b) Legs
- c) Stomach
- d) Lungs

12. What is the main source of food for plants ?

- a) Water
- b) Sunlight
- c) Air
- d) Soil

13. Which of the following is a characteristic of living organisms ?

- a) Growth
- b) Respiration
- c) Reproduction
- d) All of the above

14. Plants are classified into which two main categories?

- a) Trees and Shrubs
- b) Herbs and Shrubs
- c) Herbs and Trees
- d) Flowering and Non-flowering

15. What is the main function of the root in plants ?

- a) To produce food
- b) To anchor the plant
- c) To carry water to leaves
- d) To store food

MATHEMATICS

16. What is the sum of 548 and 793 ?

- a) 1341
- b) 1340
- c) 1342
- d) 1350

17. Subtract 372 from 586.

- a) 214
- b) 212
- c) 210
- d) 200

18. What is the product of 12 and 14 ?

- a) 168
- b) 144
- c) 140
- d) 150

19. Divide 324 by 6.

- a) 54
- b) 56
- c) 64
- d) 60

20. Which of the following is an integer ?

- a) -3
- b) 2.5
- c) 0.4
- d) $\frac{1}{2}$

21. Find the ratio of 12 to 18.

- a) 1:2
- b) 2:3
- c) 3:2
- d) 4:5

22. What is the area of a rectangle with length 7 cm and breadth 5 cm ?

- a) 35 cm²
- b) 12 cm²
- c) 25 cm²
- d) 50 cm²

23. What is the perimeter of a square with side 6 cm ?

- a) 24 cm
- b) 18 cm
- c) 30 cm
- d) 36 cm

24. Simplify the fraction : $\frac{4}{8}$

- a) $\frac{1}{2}$
- b) $\frac{2}{4}$
- c) $\frac{4}{16}$
- d) $\frac{1}{4}$

25. Identify the type of triangle with sides 5 cm, 5 cm, and 7 cm.

- a) Scalene
- b) Isosceles
- c) Equilateral
- d) Right-angle

26. If the ratio of boys to girls in a class is 3:4, how many girls are there if there are 12 boys?

- a) 16
- b) 12
- c) 10
- d) 14

APTITUDE

27. What is the perimeter of a triangle with sides

5 cm, 6 cm, and 7 cm ?

- a) 18 cm
- b) 16 cm
- c) 14 cm
- d) 15 cm

28. Which of the following is not a type of quadrilateral ?

- a) Square
- b) Rectangle
- c) Circle
- d) Parallelogram

29. What is the fraction of shaded area if 3 out of 8 parts are shaded?

- a) $\frac{3}{8}$
- b) $\frac{4}{8}$
- c) $\frac{5}{8}$
- d) $\frac{6}{8}$

30. Which of these is a whole number ?

- a) 0.5
- b) -3
- c) 7
- d) 2.8

31. What comes next in the sequence: 3, 6, 9, 12, ____?

- a) 14
- b) 15
- c) 16
- d) 18

32. If 3 apples cost Rs. 15, how much would 5 apples cost ?

- a) Rs. 20
- b) Rs. 25
- c) Rs. 30
- d) Rs. 35

33. Which number will replace the question mark? 4, 9, 16, 25, ?

- a) 36
- b) 37
- c) 40
- d) 45

34. In a code language, if 'BAT' is written as 'CBU,' what will 'CAT' be written as ?

- a) DBU
- b) CBU
- c) DAT
- d) CAV

35. If 'ALL' is coded as 'BMM,' what is the code for 'GONE' ?

- a) HPFJ
- b) HPFQ
- c) GPFH
- d) HPFJ

36. What is the next number in the series: 2, 5, 10, 17, ____?

- a) 24
- b) 26
- c) 28
- d) 30

37. Choose the odd one out :

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

38. Find the missing number in the series: 4, 9, 16, 25, ____

- a) 36
- b) 35
- c) 40
- d) 45

39. If a clock shows 3:15, what is the angle between the hour and minute hands ?

- a) 22.5°
- b) 45°

- c) 7.5°
- d) 90°

40. Find the odd one out:

- a) 1
- b) 4
- c) 7
- d) 9

41. What is the next term in the series:

1, 3, 9, 27, ____ ?

- a) 56
- b) 72
- c) 81
- d) 90

42. If P is the father of Q, and Q is the sister of R, how is P related to R ?

- a) Father
- b) Mother
- c) Uncle
- d) Grandfather

43. Which of the following shapes is symmetrical ?

- a) Circle
- b) Rectangle
- c) Triangle
- d) All of the above

44. In a certain code, 5 = A, 7 = B, and 9 = C.

What does 15 equal ?

- a) D
- b) E
- c) F
- d) G

45. What is the sum of $2 + 3 \times 5$?

- a) 17
- b) 15
- c) 10
- d) 12

ENGLISH

46. Choose the sentence that correctly uses a **noun**:

- a) The books on the shelf are interesting.
- b) The quickly ran to the store.
- c) She quickly the books.
- d) The dog chased quickly.

47. In the sentence, "Ravi went to the store, and _____ bought a new book," which pronoun correctly completes the sentence?

- a) he
- b) she
- c) they
- d) us

48. Choose the sentence where the adjective is used correctly:

- a) She wore a blue dress to the party.
- b) He ran faster quickly.
- c) It is an running project.
- d) They are very kindly to me.

49. Which of the following sentences is in the past tense ?

- a) She is eating dinner.
- b) She will eat dinner later.
- c) She ate dinner yesterday.
- d) She eats dinner every day.

50. Choose the correct preposition to complete the sentence:

"The cat jumped _____ the wall."

- a) in
- b) on
- c) into
- d) over

51. Convert the direct speech into indirect:
Direct Speech:

"I am leaving now," said Rani.

- a) Rani said she am leaving now.
- b) Rani said that she was leaving now.
- c) Rani said that she leaves now.
- d) Rani says she will leave now.

52. Choose the sentence where the verb is used correctly:

- a) I enjoys reading books.
- b) They was playing football.
- c) She writes a letter every week.
- d) We eating dinner right now.

53. Identify the part of speech of the underlined word:

"He runs very fast."

- a) Noun
- b) Verb
- c) Adjective
- d) Adverb

54. Choose the correct verb in the sentence:

"The teacher gave the students new books."

- a) teacher
- b) gave
- c) students
- d) new

55. Which of the following sentences uses a pronoun correctly?

- a) Me and my friend went to the park.
- b) I and my friend went to the park.
- c) My friend and I went to the park.
- d) Me and him went to the park.

56. Choose the correct adjective to complete the sentence:

"She wore a _____ dress to the party."

- a) quickly
- b) beautiful
- c) run
- d) care

57. Select the sentence where the verb is used in the present tense:

- a) He writes a letter.
- b) He writing a letter.
- c) He written a letter.
- d) He has writes a letter.

58. Choose the correct preposition to complete the sentence:

"She sat _____ the table."

- a) on
- b) at
- c) in
- d) by

59. Choose the sentence that is in the future tense:

- a) I will read a book tomorrow.
- b) I read a book yesterday.
- c) I have read a book.
- d) I am reading a book now.

60. Convert the following into indirect speech:

Direct Speech:

“Where is the nearest school?” she asked.

- a) She asked where the nearest school is.
- b) She asked where the nearest school was.
- c) She asked where is the nearest school.
- d) She asked where was the nearest school.

Rough Work