

ENGLISH**1. Identify the passive voice sentence:**

- a) The teacher teaches the lesson.
- b) The lesson is taught by the teacher.
- c) The teacher is teaching the lesson.
- d) The teacher will teach the lesson.

2. Choose the correct form of pronoun:

- a) Me and him went to the park.
- b) Him and I went to the park.
- c) He and I went to the park.
- d) He and me went to the park.

3. Identify the adjective in the sentence:

“The tall building is beautiful.”

- a) Tall
- b) Beautiful
- c) Building
- d) Is

4. Which of the following sentences is in the future tense?

- a) She eats an apple.
- b) She is eating an apple.
- c) She will eat an apple.
- d) She has eaten an apple.

5. Which part of speech is the word “quickly” in the sentence:

“She ran quickly”?

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

6. Choose the correct homophone for the blank in the sentence:

“The wind blew the leaves off the tree.”

- a) Blue
- b) Blew
- c) Blee
- d) Bluu

7. Select the correct sentence:

- a) The dogs barks loudly.
- b) The dog bark loudly.
- c) The dog barks loudly.
- d) The dogs barking loudly.

8. Identify the adjective in the sentence:

“The red car is parked near the building.”

- a) Car
- b) Red
- c) Parked
- d) Building

9. Which pronoun can replace the noun in this sentence?

“Ravi is playing cricket. Ravi loves cricket.”

- a) It
- b) She
- c) He
- d) They

10. Fill in the blank with the correct verb form:

“The sun ___ brightly in the sky.”

- a) Shine
- b) Shines
- c) Shining
- d) Shined

11. Choose the conjunction to complete the sentence:

“I want to go to the park, ___ it is raining.”

- a) Or
- b) And
- c) But
- d) So

12. Select the correct preposition for the blank:

“The keys are ___ the table.”

- a) In
- b) On
- c) At
- d) With

13. Choose the word that best fits the sentence:

“The teacher asked us to expand our ___ by learning new words.”

- a) Vocabulary
- b) Grammar
- c) Spelling
- d) Sentences

14. Select the collective noun in the sentence:

“A flock of birds flew across the sky.”

- a) Flock
- b) Birds
- c) Sky
- d) Flew

15. Fill in the blank with the correct gender noun:

“The bridegroom is standing next to the ___.”

- a) Man
- b) Girl
- c) Bride
- d) Woman

PHYSICS

16. The distance travelled by an object per unit time is called

- a) Speed
- b) Velocity
- c) Acceleration
- d) Distance

CHEMISTRY

17. The process of converting a solid into a liquid is called

- a) Freezing
- b) Melting
- c) Evaporation
- d) Condensation

18. Which of the following is an example of a non-renewable energy source?

- a) Solar energy
- b) Wind energy
- c) Coal
- d) Biomass

19. The heat energy required to raise the temperature of 1 kg of water by 1°C is called

- a) Specific heat capacity
- b) Latent heat
- c) Thermal conductivity
- d) Heat of fusion

20. The effect of electric current on a wire is called

- a) Heating effect
- b) Magnetic effect
- c) Chemical effect
- d) All of the above

21. Which of the following is an example of a base?

- a) Vinegar
- b) Soap
- c) Salt
- d) Lime

22. Which of the following is a physical change?

- a) Burning of paper
- b) Melting of ice
- c) Rusting of iron
- d) Digestion of food

23. The process of cleaning dirty water is called

- a) Distillation
- b) Filtration
- c) Decantation
- d) Sedimentation

24. Which of the following is NOT a component of acid rain?

- a) Sulfur dioxide
- b) Nitrogen oxides
- c) Carbon dioxide
- d) Chlorine

25. What is the primary function of forest in maintaining the ecosystem?

- a) Provide timber
- b) Help in carbon sequestration
- c) Help in soil erosion
- d) Provide medicinal plants

BIOLOGY

26. Which of the following is responsible for photosynthesis in plants?

- a) Chlorophyll
- b) Chloroplast
- c) Roots
- d) Stomata

27. In animals, the process of respiration takes place in the

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

28. Water and minerals are transported in plants through

- a) Phloem
- b) Xylem
- c) Roots
- d) Stem

29. Which of the following is NOT a method of plant reproduction?

- a) Seed formation
- b) Budding
- c) Fragmentation
- d) Pollination

30. Which process produces energy in both plants and animals?

- a) Photosynthesis
- b) Respiration
- c) Transpiration
- d) Germination

APTITUDE

31. Find the next term in the series: 1, 4, 9, 16, __?

- a) 20
- b) 24
- c) 25
- d) 30

32. If the word 'BRIGHT' is coded as 'CRJHIU', how is 'FLAME' coded?

- a) GLBNF
- b) GMBNF
- c) GMBNF
- d) GLBME

33. Which number does not belong to the following group: 8, 27, 64, 125, 250 ?
- a) 8
 - b) 27
 - c) 250
 - d) 125
34. If 'A' is the mother of 'B' and 'C' is the father of 'A', what is 'C' to 'B'?
- a) Grandfather
 - b) Father
 - c) Uncle
 - d) Brother
35. A person walks 3 km north, then turns left and walks 4 km. How far is he from the starting point?
- a) 7 km
 - b) 3 km
 - c) 4 km
 - d) 5 km
36. Find the time between 5:25 PM and 8:40 PM.
- a) 2 hours 15 minutes
 - b) 3 hours 15 minutes
 - c) 3 hours
 - d) 4 hours
37. In a Venn diagram, which set contains all the even numbers?
- a) A set of prime numbers
 - b) A set of odd numbers
 - c) A set of natural numbers
 - d) A set of even numbers
38. Which of the following is a mathematical operation?
- a) Subtraction
 - b) Square
 - c) Cube
 - d) All of the above
39. Which number should replace the question mark in the series: 3, 9, 27, ?, 243 ?
- a) 54
 - b) 81
 - c) 72
 - d) 90
40. What is the missing letter in the sequence: A, C, E, ?, I ?
- a) G
 - b) H
 - c) F
 - d) D

41. If $5 \times 4 = 20$, then $4 \times 5 = ?$

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

42. Which of the following is the odd one out:

12, 15, 20, 25 ?

- a) 12
- b) 15
- c) 20
- d) 25

43. What is the next number in the pattern: 2, 4, 8, 16, ___?

- a) 24
- b) 32
- c) 40
- d) 48

44. If $18:72 = 24 : ?$

- a) 120
- b) 96
- c) 100
- d) 88

45. Which of the following shapes has no parallel sides?

- a) Rectangle
- b) Square
- c) Rhombus
- d) Trapezium

MATHEMATICS

46. If two lines intersect at a point, the angles formed are

- a) Acute
- b) Right angles
- c) Complementary
- d) Vertically opposite angles

47. The sum of the angles of a triangle is

- a) 180°
- b) 90°
- c) 360°
- d) 270°

48. A box contains 4 red balls, 3 blue balls, and 5 green balls. What is the probability of drawing a red ball?

- a) $\frac{4}{12}$

b) $\frac{4}{12}$

c) $\frac{3}{12}$

d) $\frac{1}{4}$

49. What is the perimeter of a rectangle with length 5 cm and breadth 3 cm?

a) 15 cm

b) 16 cm

c) 10 cm

d) 8 cm

50. What is the area of a square whose side is 6 cm?

a) 36 cm^2

b) 12 cm^2

c) 24 cm^2

d) 18 cm^2

51. Which of the following is the correct representation of the power form of $5 \times 5 \times 5$?

a) 5^3

b) 5^2

c) 3^5

d) 5^5

52. Solve for x : $3x + 5 = 20$

a) $x = 5$

b) $x = 15$

c) $x = 10$

d) $x = 3$

53. Which of the following is a rational number?

a) $\sqrt{2}$

b) π

c) $1/3$

d) e

54. The integer between -5 and -7 is

a) -6

b) -5

c) -7

d) -8

55. Which of the following is an example of vertical opposite angles?

a) When two lines cross each other at right angles

b) When two angles add up to 90°

c) When two angles are congruent

d) When two angles formed by intersecting lines are equal

56. The length of one side of an equilateral triangle is 8 cm. What is the perimeter of the triangle?

- a) 24 cm
- b) 16 cm
- c) 32 cm
- d) 48 cm

57. Which of the following numbers is the greatest?

- a) 0.25
- b) $\frac{1}{5}$
- c) 0.2
- d) $\frac{1}{6}$

58. The area of a triangle with base 10 cm and height 5 cm is

- a) 50 cm^2
- b) 25 cm^2
- c) 20 cm^2
- d) 15 cm^2

59. Which of the following represents a correct comparison of quantities?

- a) $0.75 > \frac{3}{4}$

b) $\frac{1}{2} > 0.55$

c) $\frac{2}{3} < 0.8$

d) $\frac{5}{6} < \frac{4}{5}$

60. If the exponents are equal, the value of the expression $2^4 \times 2^3$ is

- a) 2^7
- b) 2^1
- c) 2^8
- d) 2^3