ANNUAL LITERARY MEET 2025
APTITUDE COMPETITION
CLASS-VII
Time Allowed: 2(Two) hours

INSTRUCTIONS:

This booklet contains 60 questions. Each question comprises four possible answers. Select ONLY ONE answer which you consider the best and mark it on the answer sheet. All questions carry equal marks. No marks will be deducted for incorrect answers.

Section A (English)

Fil in the blanks with the most appropriate option (Q1-Q6)

1. Trees drop _____ leaves in autumn.

    (A) her   (B) his

    (C) their   (D) its

2. Today's weather is _____ than yesterday's.

    (A) bad   (B) worse

    (C) worst   (D) more bad

3. We hardly ____ see him go to the movies.

    (A) ever   (B) never

    (C) always   (D) only

4. We have been waiting _____ an hour.

    (A) since   (B) from

    (C) at   (D) for

5. Tomba worked hard _____ his brother was lazy.

    (A) and   (B) whereas

    (C) though   (D) for

6. I _____ her for very long when we got married.

    (A) knew   (B) have known

    (C) had known   (D) had been knowing

7. Which modal verb shows *necessity or obligation*?

(A) could   (B) might

(C) must   (D) may

8. *I recognized her <u>voice</u> at once.* The underlined word is a/an

    (A) proper noun   (B) abstract noun

    (C) common noun   (D) collective noun

9. Change into Indirect Speech. → *He said, "Where are you going?"*

    (A) He asked where I was going.   (B) He asked where was I going.

    (C) He asked that where I am going.   (D) He told where I was going.

10. Change into Passive Voice → *Did she tell you the truth?*

    (A) Was you told the truth by her?   (B) Was the truth told you by her?

    (C) Were you told the truth by her?   (D) Did the truth be told by her to you?

(Read the passage carefully and answer the questions 11 to 15)

Corruption in India is a serious issue that hampers the country's progress and weakens its democratic values. It means the misuse of power or position for personal benefit. Corruption can be seen in various forms such as bribery, cheating, and misuse of public funds. It exists in many sectors, including politics, education, and administration. The main causes of corruption are lack of transparency, poor law enforcement, greed, and political interference. It also destroys public trust and widens the gap between the rich and the poor. The government has taken several steps to fight corruption, such as introducing the Right to Information (RTI) Act and promoting digital services to reduce direct dealings. However, laws alone cannot end corruption. Honest leadership and active citizen participation are equally important. Every individual must act responsibly and oppose dishonest practices to build a cleaner, fairer India.

11. Which of the following is *not* mentioned as a form of corruption?

    (A) Bribery   (B) Cheating

    (C) Honesty   (D) Misuse of public funds

12. What is destroyed when corruption increases?

    (A) Public trust   (B) Population

    (C) Political power   (D) Power

13. What must every citizen do to build a fairer India?

(A) Ignore corruption   (B) Support dishonest leaders

(C) Oppose corruption   (D) Depend on the government

14. Which of the following is a reason for corruption in India according to the passage?

(A) Strong leadership   (B) Political influence

(C) Better education   (D) Fast economic growth

15. The word "transparency" in the passage means —

(A) Secretive actions   (B) Hidden activities

(C) Honest and open dealings   (D) Political debate

Section B (Science)

16. The raw materials required by the plants for photosynthesis:

(A) carbon dioxide   (B) water

(C) sunlight   (D) All the three

17. The acid present in the stomach is

(A) Sulphuric acid   (B) Nitric acid

(C) Hydrochloric acid   (D) Carbonic acid

18. Time period of a simple pendulum depends upon

(A) weight of the bob   (B) length of the pendulum

(C) the acceleration due to gravity (D) both (B) and (C)

19. An electric iron works under the principle of

(A) magnetic effect   (B) heating effect of current

(C) chemical effect   (D) electromagnetic effect

20. The function of an electric fuse in a circuit is

(A) to increase the current   (B) to break the circuit if the current exceeds the safe limit

(C) to produce a magnetic field (D) to convert electrical energy into heat energy

21. Enzyme present in saliva that initiates starch digestion is

(A) Amylase   (B) Lipase

(C) Maltase   (D) pepsin

22. The image formed by a pinhole camera is

(A) real and erect　　　　　　　(B) virtual and inverted

(C) real and inverted　　　　　　(D) virtual and erect

23. A lunar eclipse happens when

(A) the Earth passes directly between the sun and the moon

(B) they are in the same line

(C) the moon is between the earth and the sun

(D) the sum is between the earth and the sun

24. Non-green parts of a leaf do not produce starch because

(A) they lack chlorophyll　　　　(B) they don't have stomata

(C) they don't get enough water　(D) they don't get air

25. The plant that traps and feeds on insects is

(A) China Rose　　　　　　　　(B) Cuscuta

(C) pitcher plant　　　　　　　(D) Rose

26. When an electric current is passed through a wire, it behaves like a

(A) rheostat　　　　　　　　　(B) cell

(C) battery　　　　　　　　　　(D) magnet

27. Which of the following substances is acidic in nature?

(A) Lime water　　　　　　　　(B) Baking soda

(C) Vinegar　　　　　　　　　(D) Calcium carbonate

28. The instrument used to measure rainfall is

(A) pluviometer　　　　　　　(B) barometer

(C) Anemometer　　　　　　　(D) sonometer

29. The new substance formed in neutralisation reaction is

(A) sugar　　　　　　　　　　(B) salt

(C) gas　　　　　　　　　　　(D) an indicator

30. When you stand in front of a plane mirror, the distance between the mirror and your image is 3 m. If you move 1 m towards the mirror, what will be the distance between you and your image?

(A) 2m　　　　　　　　　　　(B) 6m

(C) 4m　　　　　　　　　　　(D) 5m

Section C (Mathematics)

31. A submarine submerges at the rate of 5 m per minute. If it descends from 20 m above the sea level, how long will it take to reach 250 m below the sea level?

   (A) 48 minutes   (B) 54 minutes

   (C) 62 minutes   (D) 78 minutes

32. If $x + y = 0$, then x and y are _____.

   (A) Equal   (B) Additive inverse to each other

   (C) Multiplicative inverse to each other   (D) Cannot say

33. The LCM of two numbers is 45 times their HCF. If one of the numbers is 125 and the sum of HCF and LCM is 1150, the other number is:

   (A) 215   (B) 220

   (C) 225   (D) 235

34. Fill in the blank: *If two angles and included side of one triangle are equal to two angles and the included side of the other triangle, then the triangles are congruent as per the _____*

   (A) SSS congruence property   (B) SAS congruence property

   (C) ASA congruence property   (D) RHS congruence property

35. 1500 sheets are required to make 100 notebooks. How many sheets will be required to make 12 notebooks?

   (A) 180   (B) 200

   (C) 120   (D) 100

36. Rani scored 61 out of 100 in English, 93 out of 100 in Maths and 56 out of 100 in Science. Find out his overall % of marks.

   (A) 60%   (B) 70%

   (C) 75%   (D) 80%

37. The population of a village increases at the rate of 5% p.a. If the present population is 8000, then after how many years the population will be 9261?

   (A) 2 years   (B) 3 years

   (C) $3\frac{1}{2}$ years   (D) 4 years

38. The product of two numbers is $\frac{16}{3}$. If one of the numbers is $\frac{26}{3}$, then find the other number.

(A) $\frac{1}{13}$ (B) $\frac{8}{13}$

(C) $\frac{9}{13}$ (D) $\frac{16}{9}$

39. In a particular type of fertilizer, the ratio of two chemicals A and B is 2: 5. In 21 kg of this fertilizer, if 3 kg of A is added, then what will be the ratio of A to B in the new fertilizer?

(A) 1:1   (B) 2:3

(C) 3:5   (D) 4:5

40. The difference between a two-digit number and the number formed by reversing the digits is always divisible by _____.

(A) 9   (B) 11

(C) 12   (D) 15

41. In a certain school, there are 240 boys and 360 girls. What is the ratio of boys to girls?

(A) 1:3   (B) 2:3

(C) 3:4   (D) 1:2

42. What will come in place of question mark (?) in the number series? 8, 9, 20, 63, 256, 1285, ?

(A) 7345   (B) 7456

(C) 7716   (D) 7834

43. What is the average of 122, 128, 146, 124, 136, 142?

(A) 128   (B) 133

(C) 139   (D) 145

44. A car is traveling at a speed of 50 km/h. How long will it take to cover a distance of 400 km?

(A) 6 hours   (B) 7 hours

(C) 8 hours   (D) 9 hours

45. Find a rational number between $\frac{2}{3}$ and $\frac{3}{4}$.

(A) $\frac{87}{110}$ (B) $\frac{91}{110}$

(C) $\frac{85}{120}$ (D) $\frac{91}{120}$

46. Form an equation: 5 added to twice a number is 135.

(A) $2x + 135 = 5$ (B) $2x + 5 = 135$

(C) $5x + 135 = 2$ (D) $2x = 5 + 135$

47. If $x = 3$ and $y = 5$, find $x^2 + y^2$

(A) 34   (B) 36

(C) 29   (D) 30

48. Find the value of m: $24(m + 12) = 144$

(A) 8   (B) -8

(C) 6   (D) -6

49. John's father's age is 5 years more than three times John's age. Find John's age, if his father is 44 years old.

(A) 14   (B) 12

(C) 13   (D) 16

50. A person borrows Rs 5000 at an interest rate of 7% for 3 years. What would be the simple interest amount?

(A) Rs 1,120   (B) Rs 1,050

(C) Rs 1,020   (D) Rs 1,150

51. If the parallel sides of a trapezium have lengths 5 cm and 9 cm, and the height is 8 cm, the area would be:

(A) 40 cm²   (B) 72 cm²

(C) 56 cm²   (D) 45 cm²

52. Find the area of an equilateral triangle (approx.) with side = 6 cm.

(A) 14 cm²   (B) 15 cm²

(C) 16 cm²   (D) 18 cm²

53. Which number is divisible by 11?

(A) 12547   (B) 86394

(C) 82513   (D) 34255

54. Two supplementary angles are in the ratio 3 : 7, find the angles.

(A) $52°, 121°$ (B) $42°, 128°$

(C) $54°, 126°$ (D) $48°, 132°$

[7]

55. If A = $4x^3 - 6x^2 + 5$ and B = $2x^3 + 3x^2 + 5x$, then find the value of $A - 2B$.

    (A) 0   (B) $5x$

    (C) $10x - 5$ (D) $5 - 10x - 12x^2$

56. Which of the following represents statistical data?

    (A) The name of owners of shops in a shopping complex

    (B) A list giving the names of all states of India

    (C) A list of all European countries and their respective cities

    (D) Runs made by a batsman in the last 10 test matches.

57. What is the greatest number which divides 639, 1065 and 1491 exactly?

    (A) 214   (B) 217

    (C) 213   (D) 208

58. A train covers 39 km in 3 hours. How far does the train go in 30 minutes?

    (A) 7.5 km   (B) 6.5 km

    (C) 9.5 km   (D) 3.5 km

59. The cost price of a trouser is Rs 250. At what price must it be sold to make 20% profit?

    (A) Rs. 280   (B) Rs. 250

    (C) Rs. 275   (D) Rs. 300

60. A certain amount of food serves 45 persons for 20 days. How many persons will that food serve for 25 days?

    (A) 26   (B) 28

    (C) 36   (D) 40