

ANNUAL LITERARY MEET 2025
APTITUDE COMPETITION
CLASS-VIII
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)

1. Which of the following is a noun that can only be used in its Plural Form?
(A) scissors (B) scenery
(C) news (D) advice
2. Change the sentence to Passive Voice: *They say that the earth is round.*
(A) It is said by them that the earth is round. (B) The earth is said to be round.
(C) It is said that the earth is round. (D) The earth is round, it is said.
3. Choose the correct Tense form:
By the end of this year, I ___ my course for ten months. (complete)
(A) will complete (B) will have been completing
(C) will have completed (D) am completing
4. Transform the following sentence into Indirect Speech:
Rahul said, "I am reading a novel now."
(A) Rahul said that he was reading a novel then. (B) Rahul said that I was reading a novel then.
(C) Rahul said that he had been reading a novel then. (D) Rahul said that he was reading a novel now.
5. Fill in the blank with the correct form of the adjective:
Actions speak ___ than words.
(A) loudest (B) louder
(C) loudly (D) loud
6. In the sentence, '*He asked if there was any ice cream left.*' What part of speech is '*any*'?

- (A) adverb (B) pronoun
(C) adjective (D) determiner
7. The meaning of the phrasal verb 'call off' is -
(A) contact (B) cancel
(C) announce (D) postpone
8. 'To turn a blind eye to something' means -
(A) To pretend not to notice something (B) To look for hidden faults.
wrong.
(C) To look at something with great interest (D) To criticize someone harshly
9. *I prefer rice ___ chapatti.*
Choose the best preposition to express the idea of 'in favour of':
(A) than (B) to
(C) over (D) from
10. Choose the sentence where the word 'fast' is used as an Adverb:
(A) He is a fast swimmer. (B) He is on a fast.
(C) He believes in a fast life. (D) The clock is running fast.

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

The Bermuda Triangle, often called the Devil's Triangle, is a mysterious area in the western North Atlantic Ocean, roughly outlined by Bermuda, Puerto Rico, and Miami, Florida. Over the decades, numerous ships and aircraft have disappeared there under puzzling circumstances, inspiring countless myths and theories. Some people attribute these incidents to aliens, supernatural forces, or the lost city of Atlantis. However, most scientific explanations point to natural causes, such as sudden violent storms, powerful Gulf Stream currents, navigational errors, and methane gas eruptions from the ocean floor that may cause ships to lose buoyancy. Because the region is one of the world's busiest shipping and flight routes, the frequency of reported accidents is statistically higher, making the mystery more human than paranormal.

11. Which of the following is *directly cited* as a likely cause of ship disappearances?
(A) Alien abductions (B) Gulf Stream currents
(C) Atlantis' magnetic fields (D) Pirate attacks
12. *Miami, Florida* is in which country?
(A) Bermuda (B) Puerto Rico

- (C) USA (D) Cuba
13. According to most official analyses, the main causes of incidents in the Bermuda Triangle are:
 (A) paranormal activity (B) Human error and natural phenomena
 (C) Equipment malfunctions and sabotage (D) Classified missions
14. Which is *not* a natural cause?
 (A) Methane gas (B) Gulf Stream
 (C) Atlantis anomalies (D) Weather changes
15. Methane gas eruptions could:
 (A) Cause sudden storms in the area (B) Make ships lose buoyancy and sink quickly
 (C) Create magnetic anomalies that affect compasses (D) Attract alien spacecraft

Section B (Science)

16. A celestial object which is small, icy bodies that orbit the sun, with a very long tail is called
 (A) meteor (B) satellite
 (C) comet (D) galaxy
17. The sun rises in the east because
 (A) the Earth rotates from west to east (B) the sun is at the east
 (C) it is an illusion (D) the Earth rotates around the sun
18. What is the primary function of the cornea?
 (A) To regulate the amount of light entering the eye (B) To bend (refract) light before it reaches the lens
 (C) To change its own shape to focus on objects (D) To produce the image on the retina
19. The image formed by a plane mirror is
 (A) Real and inverted (B) Virtual and erect
 (C) Always enlarged (D) Cannot be seen on a screen
20. The SI unit of pressure is

- (A) Newton (B) Joule
(C) Pascal (D) Watt
21. Common cold is caused due to the infection by
(A) Virus (B) Bacteria
(C) Fungi (D) Protozoan
22. For fires involving electrical equipments and inflammable materials like petrol, the best extinguisher is
(A) water (B) foam
(C) carbon dioxide (D) soda acid
23. Which of the following fuels has the highest calorific value?
(A) LPG (B) Hydrogen
(C) Petrol (D) CNG
24. Which organelle is known as the "*kitchen of the cell*"
(A) plastid (B) cell wall
(C) chloroplast (D) mitochondria
25. Which of the following is present only in a plant cell?
(A) Cell membrane (B) Nucleus
(C) Cytoplasm (D) Cell wall
26. Which microorganism is used for sewage treatment?
(A) Virus (B) Protozoa
(C) Bacteria (D) Fungi
27. The single cell resulting from fertilization is called a
(A) Sperm (B) Ovum
(C) Embryo (D) Zygote
28. In humans, sound is produced by the
(A) Larynx (B) Mouth
(C) Lungs (D) Tongue
29. Electroplating is based on the effect of electric current known as
(A) Heating effect (B) Magnetic effect
(C) Chemical effect (D) Light effect

30. When you stop pedalling a bicycle, it gradually slows down and stops. This is caused by
- (A) Gravitational force (B) Frictional force
- (C) Magnetic force (D) Muscular force

Section C (Mathematics)

31. If $AB = 5$ cm, $BC = 4$ cm, $\angle B = 90^\circ$ and opposite sides are equal, then which of the following figures can be constructed?
- (A) Square (B) Rectangle
- (C) Trapezium (D) Rhombus
32. A graph that displays data that changes continuously over periods of time is called:
- (A) Bar graph (B) Pie chart
- (C) Line graph (D) Histogram
33. Leo studies for $6\frac{1}{4}$ hours daily. He devotes $1\frac{3}{4}$ hours of his time to Manipuri and English. How much time does he devote to other subjects?
- (A) 2 hours (B) $4\frac{2}{3}$ hours
- (C) $4\frac{1}{2}$ hours (D) $3\frac{1}{4}$ hours
34. Two poles, 18 m and 13 m high, stand upright in a playground. If their feet are 12 m apart, then find the distance between their tops.
- (A) 18 m (B) 13 m
- (C) 14 m (D) 16 m
35. If the angles of a triangle are $(x - 35)^\circ$, $(x - 25)^\circ$ and $(\frac{1}{2}x - 10)^\circ$, then find the value of x .
- (A) 150° (B) 170°
- (C) 110° (D) 100°
36. If $\frac{x}{y} = (\frac{2}{3})^3 \div (\frac{3}{2})^2$, then find the value of $(\frac{x}{y})^3$
- (A) $(\frac{2}{3})^{-3}$ (B) $(\frac{2}{3})^{15}$
- (C) $(\frac{2}{3})^3$ (D) 1
37. What must be subtracted from $3x^2 + 4y^2 - 5$ to get $2x^2 - 3y^2 + 5$?
- (A) $x^2 + y^2 + 5$ (B) $x^2 - 4y^2 + 5$

(C) $x^2 + 7y^2 - 10$

(D) $x^2 - 7y^2 - 10$

38. A merchant gets Rs. 1160 by selling article A at 30% profit and B at 20% loss. He gets the same amount if he sells A at 20% loss and B at 5% profit. What is the cost price of article B?

(A) Rs. 400

(B) Rs. 800

(C) Rs. 500

(D) Rs. 600

39. If the sum of two integers is negative, then which of the following must be true?

(A) At least one of the integers is positive

(B) Both are positive

(C) At least one of the integers is negative

(D) Both are negative

40. A single letter is selected at random from the word "PROBABILITY". What will be the probability that the selected letter is a vowel?

(A) $\frac{2}{11}$

(B) $\frac{3}{11}$

(C) $\frac{4}{11}$

(D) 0

41. A bag has five red, four black and three blue balls. One ball is drawn at random from the bag. Find the probability that the ball drawn is not red.

(A) $\frac{5}{12}$

(B) $\frac{1}{12}$

(C) $\frac{1}{4}$

(D) $\frac{7}{12}$

42. Which of the following sets of numbers is in descending order?

(A) $\frac{4}{5}, \frac{3}{8}, \frac{2}{3}, \frac{1}{2}$

(B) $\frac{4}{5}, \frac{1}{2}, \frac{3}{8}, \frac{2}{3}$

(C) $\frac{2}{3}, \frac{4}{5}, \frac{3}{8}, \frac{1}{2}$

(D) $\frac{4}{5}, \frac{2}{3}, \frac{1}{2}, \frac{3}{8}$

43. In an examination, 42% of students failed in Science and 25% failed in English. If 17% failed in both subjects, the percentage of those who passed both subjects is

(A) 23%

(B) 27%

(C) 33%

(D) 50%

44. In a castle there is food for 63 soldiers to last for 27 days. After 7 days, 27 more soldiers joined them. For how many days will the food last now?

(A) 12

(B) 13

(C) 14

(D) 15

45. Resolve into factors: $(a - b)^2 - (a - b)^3 =$

(A) $(a - b)^2(1 - a + b)$

(B) $(a - b)^2(1 - a + b)^2$

(C) $(a - b)^2(1 - a - b)$

(D) $(a - b)(1 - a + b)$

46. Which of the following points lies on the X-axis?

(i) $(4, 0)$ (ii) $(5, 0)$ (iii) $(0, -2)$ (iv) $(0, 0)$

(A) (i) and (ii)

(B) All of them

(C) (i), (ii) and (iv)

(D) Only (iv)

47. Find the value of the smallest positive integer n for which $864 \times n$ will be a perfect cube

(A) 1

(B) 2

(C) 3

(D) 4

48. The length of a rectangle is 3 times its breadth. If the length is decreased by 3 cm and the breadth is increased by 5 cm, the area of the rectangle is increased by 57 cm^2 . The perimeter of the rectangle is:

(A) 18 cm

(B) 48 cm

(C) 24 cm

(D) 20 cm

49. A sheet is in the form of a rhombus whose diagonals are 10 m and 8 m. Find the cost of painting both of its surfaces at the rate of Rs. 70 per m^2 .

(A) Rs. 5,600

(B) Rs. 4,000

(C) Rs. 2,800

(D) Rs. 2,000

50. The measure of each exterior angle of a regular polygon is 45° . What is the number of sides of the polygon?

(A) 4

(B) 6

(C) 8

(D) 10

51. A canteen requires 28 dozen bananas for a week. How many bananas will it require for 47 days?

(A) 322

(B) 2352

(C) 196

(D) 2256

52. Suppose 2kg of sugar contains 9×10^6 crystals. How many sugar crystals are there in 5 kg of sugar?

(A) 1.25×10^8

(B) 2.25×10^6

(C) 1.25×10^7

(D) 2.25×10^7

53. $(3^0 + 4^{-1}) \times 2^2 = ?$
 (A) 4 (B) 5
 (C) 6 (D) 3
54. Find the number of faces for a polyhedron which have 6 vertices and 12 edges.
 (A) 10 (B) 6
 (C) 8 (D) 14
55. A cuboid is of dimensions 60cm \times 54cm \times 30cm. How many small cubes with side 6cm can be placed in the given cuboid?
 (A) 450 (B) 350
 (C) 540 (D) 530
56. If each edge of a cube is doubled, how many times will its volume increase?
 (A) 2 times (B) 4 times
 (C) 6 times (D) 8 times
57. The standard form of 0.0000000000085 =
 (A) 8.5×10^{11} (B) 8.5×10^{-11}
 (C) 8.5×10^{-12} (D) 8.5×10^{12}
58. 12 men or 15 women can finish a work in 10 days. How many days will 7 men and 10 women take to finish the same work together?
 (A) 12 (B) 9
 (C) 8 (D) 10
59. If $31z5$ is a multiple of 9, where z is a digit, what is the value of z ?
 (A) $z = 0$ or, $z = 3$ (B) $z = 1$ or, $z = 9$
 (C) $z = 0$ or, $z = 9$ (D) $z = 3$ or, $z = 9$
60. Substituting $x = -3$ in $x^2 + 5x + 4$ gives
 (A) 15 (B) -2
 (C) 28 (D) -1