

2024
ANNUAL 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.

Fill in the blanks with the most appropriate options. (Q1-Q5)

1. *He me the picture just now.*
(A) showed (B) has shown
(C) had shown (D) have shown
2. *He is musing the past.*
(A) on (B) in
(C) upon (D) into
3. *She came back.....in the evening.*
(A) always (B) seldom
(C) sometimes (D) as usual
4. *The boys.....the garden when the tree..... down*
(A) were playing/ fell (B) play/fall
(C) are playing/fell (D) played/fallen
5. *I studied hard..... I would fail*
(A) or (B) that
(C) lest (D) as
6. Choose the correct one:
(A) He is absent at the meeting. (B) He is absent from the meeting.
(C) He is absent in the meeting. (D) He is absent on the meeting.
7. Which one is correct?

- (A) It was not long before she came. (B) It was not long till she came
(C) It was not long before she (D) It was not long lest she came.

8. Convert the given Simple sentence into Compound sentence:

In spite of this heavy shower he will come.

- (A) He was rude and arrogant (B) In spite of the rain, he will come
(C) He will come for sure. (D) Despite of the heavy rain, he will come.

9. Convert into *simple sentence*:

He wanted to see you, and so he came here.

- (A) He came home so that he could see you. (B) He came home in order to see you.
(C) He came in the hope of seeing you. (D) He came home to see you.

10. Change the following to passive voice.

I shall have written the message.

- (A) The message shall be written by me. (B) The message shall have to be written by me.
(C) The message will have been written by me. (D) The message will have been written by me.

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

Dogs and cats should never be permitted to eat chocolate, because chocolate works like a poison in their bodies. Chocolate contains a chemical called theobromine, which is similar to caffeine. Human bodies are able to process the theobromine without any ill side effects, but dogs and cats cannot.

Different types of chocolate contain different amounts of theobromine. It would take 20 ounces of milk chocolate to kill a 20-pound dog, but only two ounces of baker's chocolate or six ounces of semisweet chocolate. The amounts, of course, are much smaller for a cat, whose body weight is typically less than that of a dog.

Most cats are not naturally attracted to eating chocolate, but many dogs are. Dogs by nature will sample nearly anything that they see their masters

eating, so pet owners must take care to keep all chocolate products well out of reach of their dogs and cats.

11. According to the passage, why is chocolate poisonous for dogs and cats?
- (A) It contains caffeine. (B) Chocolate is made from processed cocoa.
- (C) It gets stuck in their intestines. (D) They cannot process theobromine.
12. How much milk chocolate would be poisonous to a cat, according to the passage?
- (A) substantially less than 20 ounces (B) it became wet because of the rain
- (C) he was sweating due to the sunshine (D) none of the above
13. What does the word *permitted* mean?
- (A) barred (B) forbidden
- (C) allowed (D) prohibited
14. Why might a dog eat chocolate, according to the passage?
- (A) Because it tastes good. (B) Dogs won't eat chocolate
- (C) They can smell the theobromine. (D) Dogs like to imitate their owners.
15. What is the meaning opposite to *attracted*?
- (A) draw (B) engage
- (C) repelled (D) fascinate
16. Which one of the following metals is found in liquid state at room temperature?
- (A) Fe (B) Na
- (C) Cr (D) Hg
17. Which of the following animals are used for making compost?
- (A) Mosquitos (B) Cocroach
- (C) Housefly (D) Earthworms
18. Screwdrivers have a plastic handle and electrical wires have a plastic covering. The reason for this is

- (A) It is hard and easy to find. (B) It is strong and durable.
 (C) It is a poor conductor (D) It is non-reactive.
19. Fuel used in Jet planes is
 (A) Liquid Petrol (B) Diesel Oil
 (C) LPG (D) Kerosene
20. The animal used as the symbol of World Wildlife Fund (WWF) is
 (A) The giant Panda (B) The whale
 (C) The Lion (D) The Tiger
21. The force which does not change with distance is
 (A) Gravitational force (B) Frictional Force
 (C) Electrostatic force (D) Magnetic Force
22. The sound in audible range is called
 (A) Ultra Sonic sound (B) sonic sound
 (C) Sub-sonic Sound (D) Light Sound
23. Electroplating is the process of coating a material with a layer of any desired metal using
 (A) Electric current (B) magnetic field
 (C) heating (D) plastering
24. Which of the following is not found in plant cells but not in the animal cells?
 (A) Mitochondria (B) Cell membrane
 (C) Cell wall (D) Nucleus
25. The fusion of male and female gametes results in the formation of _____.
 (A) Zygote (B) Embryo
 (C) Sperm (D) Egg
26. The empty blank looking structures in the cytoplasm is
 (A) vacuoles (B) plastids
 (C) plasma membrane (D) nucleus
27. A group of similar cells combine to form

- (A) tissue (B) organ
(C) organism (D) organelles
28. The oxygen carrying component is called
(A) RBC (B) WBC
(C) Platelets (D) Plasma
29. Lactic Acid is present in
(A) Line Juice (B) Curd
(C) Ornge Juice (D) Coconut Water
30. Hen's egg is a
(A) Tissue (B) Organ
(C) Organ system (D) Cell
31. Multiplicative inverse of a negative rational number is
(A) a positive rational number (B) a negative real number
(C) 0 (D) 1
32. To get the product 1, we should multiply $\frac{8}{21}$ by
(A) $\frac{8}{21}$ (B) $\frac{-8}{21}$
(C) $\frac{21}{8}$ (D) $\frac{-21}{8}$
33. The reciprocal of 0 is
(A) 1 (B) -1
(C) 0 (D) not defined
34. The multiplicative inverse of 0.3 is
(A) $\frac{3}{10}$ (B) $\frac{1}{3}$
(C) $3\frac{1}{3}$ (D) $1\frac{1}{3}$
35. Linear equation in one variable has
(A) Only one variable with any power. (B) Only one term with a variable.
(C) Only one variable with power 1. (D) Only constant term.

36. The value of x for which the expressions $3x - 4$ and $2x + 1$ become equal is
(A) -3 (B) 0
(C) 1 (D) 5
37. $0.25(4f - 3) = 0.05(10f - 9)$, then $f =$
(A) 0.1 (B) 0.6
(C) 0.5 (D) 0.3
38. The numbers of boys and girls in a class are in the ratio $7:5$. The number of boys is 8 more than the number of girls. What is the total class strength?
(A) 28 (B) 20
(C) 38 (D) 48
39. How many diagonals does a hexagon have?
(A) 6 (B) 7
(C) 8 (D) 9
40. The sum of angles of a concave quadrilateral is
(A) more than 360° (B) less than 360°
(C) equal to 360° (D) twice of 360°
41. What is the sum of all angles of a hexagon?
(A) 720° (B) 900°
(C) 540° (D) 360°
42. The number of sides of a regular polygon whose each interior angle of 135° is
(A) 6 (B) 8
(C) 7 (D) 9
43. A quadrilateral whose all sides, diagonals and angles are equal is
(A) rhombus (B) square
(C) rectangle (D) kite
44. Which of the following statement is false?
(A) All the rectangles are parallelograms (B) All the squares are rectangles

- (C) All parallelograms are rectangles (D) All the rhombuses are parallelograms
45. A graph showing two sets of data simultaneously is known as
 (A) pictograph (B) histogram
 (C) pie chart (D) double bar graph
46. Which of the following is the square of an odd number?
 (A) 144 (B) 256
 (C) 361 (D) 400
47. A number ending with 9 will have the units place of its square as
 (A) 1 (B) 3
 (C) 6 (D) 9
48. The next two numbers in the number pattern 1, 4, 9, 16, 25, are
 (A) 35, 48 (B) 36, 49
 (C) 36, 48 (D) 35, 49
49. Given that $\sqrt{4096} = 64$, then the value of $\sqrt{4096} + \sqrt{40.96} =$
 (A) 74 (B) 60.4
 (C) 64.4 (D) 74.4
50. What is the smallest number by which 243 must be multiplied to obtain a perfect cube?
 (A) 2 (B) 3
 (C) 5 (D) 7
51. If a number ends in 7, then its cube ends in
 (A) 7 only (B) 9 only
 (C) 3 only (D) 7 or 3
52. If square of a number ends with 5, then its cube ends with
 (A) 25 (B) 55
 (C) 50 (D) 5
53. A shirt with marked price Rs 800 was sold at Rs 680. The rate of discount allowed on the shirt is
 (A) 10% (B) 15%

- (C) 20% (D) 25%
54. If $\frac{7}{3}\%$ of a number is 42, then the number is
(A) 9,800 (B) 8
(C) 1,800 (D) 180
55. The compound interest on Rs 50,000 at 4% per annum for 2 years compounded annually is
(A) Rs 4,000 (B) Rs 4,080
(C) Rs 4,280 (D) Rs 4,050
56. Sum of three consecutive integers is 24. Find the greatest integer.
(A) 7 (B) 8
(C) 9 (D) 10
57. When a number is multiplied 5 times with itself, it gives the value 1445. Find the number.
(A) 18 (B) 15
(C) 19 (D) 17
58. The LCM and HCF of two numbers are 180 and 3 respectively. If one number is 45, find the other number.
(A) 12 (B) 60
(C) 135 (D) 540
59. A canteen requires 28 dozen bananas for a week. How many dozen bananas will it require for 47 days?
(A) 322 (B) 2352
(C) 196 (D) 2256
60. 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