2022
APTITUDE COMPETITION
CLASS-VIII
Time Allowed: 3(Three) 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. *By the time, we arrived at the station, the train .... the platform.*

    (A) left   (B) had left

    (C) is leaving   (D) was leaving

2. *The competition was…………. the two.*

    (A) among   (B) for

    (C) within   (D) between

3. *…………. people visit Alaska in the winter because it's too cold.*

    (A) a few   (B) few

    (C) many   (D) not much

4. *I am trying …………. (study). Please stop …………. (talk).*

    (A) to study, to talk   (B) study, talking

    (C) to study, talking   (D) to study, the talk

5. *The bridge collapsed………… it was made of the best materials.*

    (A) when   (B) where

    (C) though   (D) whereas

6. Which one is correct?

(A) Look to the left and you'll see your destination

(B) Look at the left and you'll see your destination

(C) Look in the left and you'll see your destination

(D) Look on the left and you'll see your destination

7. Convert into a simple sentence:

We must eat or we cannot live.

(A) You have to eat to live

(B) We must eat to live

(C) Eat or die

(D) We must live to eat

8. Convert the given simple sentence into a compound sentence.

Besides being rude, he was also arrogant.

(A) He was rude and arrogant

(B) He was rude as well as arrogant

(C) He was not only rude but also arrogant

(D) He was not only arrogant but also rude

9. Which one is correct?

(A) The school usually remains open till 4 pm.

(B) The school usually remain opens till 4 pm

(C) The school usually remains opened till 4pm

(D) The school usually remains opens till 4 pm.

10. Change the following to passive voice.

Help Thoibi.

(A) Let Thoibi be helped

(B) Let people help Thoibi

(C) Let us help Thoibi

(D) Thoibi be helped by people

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

There was once an argument between the wind and the sun about who was stronger than the other. They argued for a long time but neither of them emerged the winner. They spotted a man walking on the road wearing a

coat, and an idea struck them both. They challenged each other that the one who succeeded in removing the coat from the man's back was the strongest. The wind began to blow hard, raising gusts of air and making it harder for the man to take a step further. But, the man clutched his coat tight around him and resumed walking with great difficulty. The wind continued blowing harder and harder, but the man held on to his coat tighter and tighter. And continued his journey forward. Finally, the wind was exhausted and gave up. His efforts had been futile. It was now the turn of the sun. He looked at the man and began to gently shine upon the path the man was walking on. The man looked up at the sky – surprised at the change in weather. The sun did not spend much energy, and neither did he apply any effort. He just continued shining upon the man's head gently. Soon the man was huffing and puffing, and sweating profusely. Unable to bear the rising heat, the man finally took off his coat and headed to a nearby tree to rest for a while under its shade.

Source: Aesof's Fables

11. What is the moral of the story?

(A) might is not everything. A little persuasion can solve problems

(B) those who are powerful can do what they wish

(C) Man likes sunshine

(D) none of the above

12. Why did the man take off his coat?

(A) the wind was blowing too hard

(B) it became wet because of the rain

(C) he was sweating due to the sunshine

(D) none of the above

13. Why did the wind and the sun try to take off the coat from the man's back?

(A) they wanted to test the strength of the man

(B) they wanted to check who was stronger between the two of them

(C) they were teasing the man

(D) both (A) and (B)

14. Who emerged winners between the sun and the wind?

(A) neither of them   (B) the wind

(C) the sun   (D) both of them

15. What does *futile* mean in the paragraph?

(A) ineffective   (B) worth trying

(C) fruitful   (D) all the above

16. Meena is thinking of two numbers. Their greatest common factor is 6. Their least common multiple is 36. One of the numbers is 12. What is the other number?

(A) 6   (B) 16

(C) 18   (D) 24

17. Which of the following statements is false?

(A) Natural numbers are closed under addition   (B) Whole numbers are closed under addition

(C) Integers are closed under addition   (D) Rational numbers are not closed under addition

18. 0 is not ____

(A) a natural number   (B) a whole number

(C) an integer   (D) a rational number

19. The multiplicative identity for rational number is

(A) – 1   (B) 1

(C) 0   (D) none of these

20. The rational number which is equal to its negative is

(A) 0   (B) -1

(C) 1   (D) $\frac{1}{2}$

21. How many rational numbers are there between any two given rational numbers?

(A) only one   (B) only two

(C) countless   (D) nothing can be said

22. The difference between two numbers is 12. The larger number is x. The smaller number is

(A) $12 + x$ (B) $12 - x$

(C) $x - 12$ (D) $- x - 12$

23. When 9 is added to two times a number, we get 67. The number is

(A) 27   (B) 29

(C) 25   (D) 31

24. One number is greater than the other number by 3. The sum of the two numbers is 23. The two numbers are

(A) 13, 10   (B) 14, 9

(C) 12, 11   (D) 15, 8

25. A man is five times as old as his son. He will be three times as old as his son after 10 years. Find their present age.

(A) 6 years, 30 years   (B) 8 years, 40 years

(C) 10 years, 50 years   (D) 12 years, 60 years

26. The angle sum of a convex polygon with a number of sides 7 is

(A) 720°   (B) 900°

(C) 1080°   (D) 1440°

27. The number of sides of a regular polygon, whose each exterior angle has a measure of 45°, is

(A) 4   (B) 6

(C) 8   (D) 10

28. How many sides does a regular polygon have if each of its interior angles is 165°?

(A) 12   (B) 24

(C) 9   (D) 6

29. Which of the following statement is false?

   (A) All the rectangles are   (B) All the squares are rectangles
       parallelograms

   (C) All parallelograms are   (D) All the rhombuses are
       rectangles   parallelograms

30. One angle of a parallelogram is a right angle. The name of the
    quadrilateral is

   (A) Square   (B) Rectangle

   (C) Rhombus   (D) Kite

31. If one angle of a parallelogram is 65°, then the measure of the
    adjacent angle is

   (A) 65°   (B) 90°

   (C) 25°   (D) 115°

32. The unit digit in the square of the number 27 is

   (A) 7   (B) 2

   (C) 5   (D) 9

33. Which of the following is not a Pythagorean triplet?

   (A) 3, 4, 5   (B) 6, 8, 10

   (C) 2, 3, 4   (D) 5, 12, 13

34. The smallest number by which 54 should be multiplied to get a
    perfect square is

   (A) 2   (B) 3

   (C) 4   (D) 6

35. If (504 + p) is a perfect cube number, whose cube root is p, then p =
    _____

(A) 6   (B) 4

(C) 2   (D) 8

36. The number of zeroes at the end of the cube root of the cube number 1000000 is

(A) 1   (B) 2

(C) 3   (D) 4

37. On what principal, simple interest of 5 years at the rate of 6% is Rs 90?

(A) Rs 250   (B) Rs 300

(C) Rs 400   (D) Rs 450

38. 40% of 50 students in a class are good at Science. How many students are not good at Science?

(A) 20   (B) 30

(C) 10   (D) 40

39. 20% of students were absent from an examination. 15% of those who appeared failed. If 340 students passed, what was the total number of students?

(A) 550   (B) 450

(C) 400   (D) 500

40. A pineapple cost Rs 7 each, a mango cost Rs 5 each. Tombi spends Rs 38 on these fruits. The number of pineapples purchased is

(A) 2   (B) 3

(C) 4   (D) Data is inadequate

41. The process of extraction of minerals from the earth's crust is called-

(A) Smelting   (B) Mining

(C) Metallurgy   (D) Electrolysis

42. The huge but unused water resources of Manipur may be termed as

(A) Ubiquitous Resource (B) Actual resource

(C) Biotic Resource (D) Potential Resource

43. From which ore Aluminium is extracted?

(A) Bauxite (B) Iron

(C) Copper (D) Magnetite

44. What is the other name for shifting cultivation?

(A) Plantation (B) Crop rotation

(C) Jhuming (D) Farming

45. The Anglo-Manipuri treaty was signed between

(A) Haridas Gosain & Henry Verelst (B) Chourjit & A.O. Hume

(C) Marjit & A.O. Hume (D) Gambhir Singh & Mir Qasim

46. When did the 'seven years' devastation' occur?

(A) 1619-1626 (B) 1819-1826

(C) 1804-1811 (D) 1719-1726

47. Who was the chairman of the drafting committee of the Indian Constitution?

(A) Dr. Rajendra Prasad (B) Dr. B.R. Ambedkar

(C) Pt. Jawaharlal Nehru (D) Sardar Patel

48. Which one of the following is not a Fundamental Right?

(A) Right to Freedom (B) Right against Exploitation

(C) Right to Equality (D) Right to Prohibition

49. Who presides over the meetings of the Union Cabinet?

(A) President (B) Prime Minister

(C) Speaker (D) Vice-President

50. *Secularism* refers to-

   (A) equal treatment of every child
   (B) equal treatment of every orphan

   (C) equal treatment of every religion
   (D) equal treatment of every citizen

51. Cells that lack nuclear membrane are

   (A) eukaryotic cells
   (B) prokaryotic cells

   (C) single cells
   (D) multi cells

52. The powerhouse of a cell is called

   (A) Cell wall
   (B) Mitochondria

   (C) Ribosomes
   (D) Nucleus

53. The empty blank looking structures in the cytoplasm are

   (A) vacuoles
   (B) plastids

   (C) plasma membrane
   (D) Nucleus

54. The coloured organelles which are found in plants only are

   (A) chlorophyll
   (B) plastids

   (C) vacuoles
   (D) WBC

55. The strongest synthetic fibre is

   (A) Xylon
   (B) Rayon

   (C) Polyester
   (D) Acrylic

56. The most reactive metal is

   (A) Copper
   (B) Silver

   (C) Potassium
   (D) Calcium

57. Name the gas evolved when magnesium reacts with dilute hydrochloric acid.

(A) Chlorine   (B) Oxygen

(C) Hydrogen   (D) Nitrogen

58. Two objects repel each other. This repulsion could be due to

    (A) Frictional force   (B) Magnetic force

    (C) Electrostatic force   (D) Either (B) or (C)

59. During dry weather, clothes made of synthetic fibre often stick to the skin. Which type of force is responsible for this phenomenon?

    (A) Electrostatic Force   (B) Magnetic Force

    (C) Gravitational Force   (D) Frictional Force

60. Applying oil on door hinges

    (A) increases friction   (B) removes friction completely

    (C) decreases friction   (D) does not change friction