

Reg. No

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Time: 2 Hours

Max. Marks: 100

Name of the student: Div:

Name of the school :

Instructions:

- All questions are compulsory.
- Each question carries 1 mark.
- Choose the most appropriate answer from the given options.
- Use the OMR sheet provided to mark your answers.

1. A car travels 180 km in 3 hours. What is its average speed?

- | | |
|------------|------------|
| A) 50 km/h | B) 60 km/h |
| C) 70 km/h | D) 80 km/h |

2. What is the cube root of 1728?

- | | |
|-------|-------|
| A) 10 | B) 12 |
| C) 14 | D) 16 |

3. If the cost of 5 pens is ₹75, what is the cost of 8 pens at the same rate?

- | | |
|---------|---------|
| A) ₹100 | B) ₹110 |
| C) ₹120 | D) ₹125 |

4. Water boils at 100°C. What is the equivalent temperature in Fahrenheit?

- | | |
|----------|----------|
| A) 180°F | B) 212°F |
| C) 200°F | D) 100°F |

5. Which law of motion explains why a passenger moves forward when a car stops suddenly?

- | | |
|-----------------------|------------------------|
| A) Newton's First Law | B) Newton's Second Law |
| C) Newton's Third Law | D) Law of Gravitation |

6. Which gas is most essential for photosynthesis?

- | | |
|-------------------|-------------|
| A) Carbon dioxide | B) Nitrogen |
| C) Hydrogen | D) Oxygen |

7. The SI unit of force is —

- | | |
|-----------|-----------|
| A) Joule | B) Watt |
| C) Newton | D) Pascal |

8. The process of separating salt from seawater is primarily called —

- | | |
|----------------|-----------------|
| A) Evaporation | B) Condensation |
| C) Filtration | D) Sublimation |

9. An object of mass 5 kg is moving with a speed of 4 m/s. What is its kinetic energy? (Formula: $KE = \frac{1}{2} * mv^2$)

- | | |
|---------|---------|
| A) 20 J | B) 40 J |
| C) 50 J | D) 10 J |

10. The chemical symbol 'Na' stands for which element?

- | | |
|---------------------|-------------|
| A) Natrium (Sodium) | B) Nitrogen |
| C) Neon | D) Nickel |

11. The human heart has how many chambers?

- | | |
|----------|---------|
| A) Two | B) Four |
| C) Three | D) Five |

12. Which of the following is an example of a chemical change?

- | | |
|---------------------|---------------------|
| A) Boiling of water | B) Cutting of paper |
| C) Burning of wood | D) Freezing of ice |

13. Which is the largest planet in our solar system?

- | | |
|------------|-----------|
| A) Earth | B) Saturn |
| C) Jupiter | D) Uranus |

14. Which phenomenon causes the apparent bending of a pencil when placed in a glass of water?

- | | |
|----------------|---------------|
| A) Reflection | B) Refraction |
| C) Diffraction | D) Dispersion |

15. What is 15% of 480?

- | | |
|-------|-------|
| A) 72 | B) 60 |
| C) 90 | D) 85 |

16. Which organ in the human body is primarily responsible for purifying blood?

- | | |
|-----------|----------|
| A) Heart | B) Lungs |
| C) Kidney | D) Liver |

17. A train travels 180 km in 3 hours. If the same train travels at double the speed, how far will it go in 2 hours?
- A) 240 km
B) 300 km
C) 360 km
D) 400 km
18. Which vitamin is essential for blood clotting?
- A) Vitamin A
B) Vitamin C
C) Vitamin K
D) Vitamin D
19. The chemical formula for water is —
- A) CO_2
B) H_2O
C) O_2
D) H_2
20. If $3x - 7 = 11$, what is the value of x?
- A) 6
B) 7
C) 8
D) 9
21. The energy from the Sun reaches Earth primarily through —
- A) Conduction
B) Convection
C) Radiation
D) Reflection
22. What is the main function of White Blood Cells (WBCs) in our body?
- A) Carry oxygen
B) Fight infections
C) Control body temperature
D) Digest food
23. The 'lead' in a pencil is actually a form of carbon called —
- A) Graphite
B) Diamond
C) Charcoal
D) Zinc
24. The sum of all interior angles in a triangle is always —
- A) 90°
B) 180°
C) 270°
D) 360°
25. The density of a substance is given by the formula —
- A) $\text{Mass} \times \text{Volume}$
B) $\text{Mass} / \text{Volume}$
C) $\text{Volume} / \text{Mass}$
D) $\text{Weight} \times \text{Mass}$
26. Which of these processes involves both evaporation and condensation?
- A) Photosynthesis
B) Distillation
C) Rusting
D) Melting
27. Which of the following is a non-renewable energy source?
- A) Solar
B) Wind
C) Coal
D) Hydro

28. What is the atomic number of Oxygen?

- A) 6
- B) 7
- C) 8
- D) 9

29. The main organ of respiration in humans is the —

- A) Heart
- B) Lungs
- C) Kidney
- D) Liver

30. A right angle measures exactly —

- A) 45°
- B) 60°
- C) 90°
- D) 120°

31. What is the largest organ of the human body?

- A) Brain
- B) Liver
- C) Skin
- D) Lungs

32. The approximate speed of light in a vacuum is —

- A) 3×10^5 km/s
- B) 3×10^8 m/s
- C) 3×10^6 m/s
- D) 3×10^7 km/s

33. Which planet is known as the “Red Planet” due to its iron oxide-rich surface?

- A) Venus
- B) Mars
- C) Mercury
- D) Jupiter

34. The force that opposes motion between two surfaces in contact is called —

- A) Friction
- B) Gravity
- C) Magnetism
- D) Inertia

35. Which metal is liquid at room temperature?

- A) Iron
- B) Mercury
- C) Sodium
- D) Aluminium

36. What type of energy is stored in food?

- A) Kinetic Energy
- B) Chemical Energy
- C) Potential Energy
- D) Electrical Energy

37. If the radius of a circle is 7 cm, what is its area? (Use $\pi = 22/7$)

- A) 77 cm^2
- B) 154 cm^2
- C) 44 cm^2
- D) 100 cm^2

38. Which part of an animal cell contains the genetic material (DNA)?

- A) Cytoplasm
- B) Nucleus
- C) Cell wall
- D) Mitochondria

39. Which of these materials is an insulator, meaning it does not conduct electricity well?

- | | |
|-----------|--------------|
| A) Copper | B) Silver |
| C) Rubber | D) Aluminium |

40. An instrument used to measure atmospheric pressure is a —

- | | |
|----------------|---------------|
| A) Thermometer | B) Barometer |
| C) Anemometer | D) Hygrometer |

41. Which of the following sentences uses the correct form of the verb?

- | | |
|----------------------------|----------------------------|
| A) He don't likes apples. | B) He doesn't like apples. |
| C) He didn't liked apples. | D) He don't like apples. |

42. Identify the correctly punctuated sentence.

- | | |
|-------------------------------------|------------------------------------|
| A) She said, "Let's go for a walk." | B) She said "let's go for a walk." |
| C) She said, let's go for a walk. | D) She said "Let's go for a walk." |

43. The phrase "on cloud nine" means —

- | | |
|----------------------------|--------------------|
| A) Very happy | B) Feeling sleepy |
| C) Worried about something | D) In deep thought |

44. Choose the best synonym for the word "meticulous".

- | | |
|-------------|-------------|
| A) Careless | B) Thorough |
| C) Lazy | D) Rude |

45. Choose the sentence with the correct indirect speech for:

"Ravi said, 'I will call you tomorrow.'"

- A) Ravi said that he will call me tomorrow.
- B) Ravi said that he would call me the next day.
- C) Ravi said he calls me tomorrow.
- D) Ravi said that I would call him tomorrow.

46. Identify the figure of speech in the sentence:

"The stars winked at me from the night sky."

- | | |
|-------------|--------------------|
| A) Simile | B) Personification |
| C) Metaphor | D) Alliteration |

47. Choose the correct spelling.

- | | |
|-----------------|------------------|
| A) Embarrasment | B) Embarrassment |
| C) Embarassment | D) Embarrasement |

48. The word opposite in meaning to "optimistic" is —

- | | |
|--------------|----------------|
| A) Cheerful | B) Pessimistic |
| C) Energetic | D) Hopeful |

49. Which of the following words is a homonym (a word that sounds the same as another but has a different meaning)?
- A) Bear (animal) and Bear (to carry) B) Cat and Bat
C) Run and Walk D) Jump and Leap
50. In the sentence, “She spoke so softly that no one could hear her,” the underlined part is an —
- A) Adverb clause B) Noun clause
C) Adjective clause D) Independent clause
51. Identify the sentence with the correct subject-verb agreement.
- A) The team have won the match. B) The team has won the match.
C) The team were win. D) The team are winning match.
52. In a formal letter, which salutation is most appropriate when you don’t know the recipient’s name?
- A) Hey There B) Dear Sir/Madam
C) Hello D) To whom it may concern
53. Choose the correct antonym for the word “expand”.
- A) Increase B) Enlarge
C) Contract D) Inflate
54. Identify the correctly framed question tag: “She is your friend, _____?”
- A) isn’t she B) is she
C) are she D) aren’t she
55. “He was as brave as a lion.” The figure of speech used here is a —
- A) Metaphor B) Simile
C) Personification D) Hyperbole
56. Choose the correct prefix for the word “regular”.
- A) un- B) dis-
C) ir- D) in-
57. Which of these is an example of a compound sentence?
- A) She sang beautifully.
B) She sang, and he played the guitar.
C) Singing beautifully, she impressed all.
D) Her song was beautiful.
58. Which sentence expresses a conditional idea?
- A) If it rains, we’ll stay home. B) It is raining now.
C) Rain is pleasant. D) We love rainy days.

59. The antonym of “ancient” is —

- A) Old
- B) Historical
- C) Modern
- D) Antique

60. Read the paragraph and answer the question:

“The Sahara is the largest hot desert in the world. It covers most of North Africa, making it almost as large as the United States. Despite its harsh, arid conditions, a variety of species, including camels and desert foxes, have adapted to survive there.” What is the main idea of this paragraph?

- A) The Sahara is a very large desert with unique wildlife.
- B) Camels are the only animals in the Sahara.
- C) The Sahara is bigger than the United States.
- D) North Africa is very hot.

61. Which of the following is a key characteristic of effective teamwork?

- A) Working in isolation
- B) Completing a group project collaboratively
- C) Focusing only on your own tasks
- D) Ignoring others’ opinions

62. A person who designs buildings and other structures is called an -

- A) Engineer
- B) Architect
- C) Contractor
- D) Carpenter

63. Good time management skills primarily help in —

- A) Increasing procrastination
- B) Reducing stress and improving productivity
- C) Creating confusion
- D) Delaying important tasks

64. What is the most constructive way to resolve a conflict with a friend?

- A) Avoiding the friend until they apologize
- B) Arguing loudly to prove your point
- C) Communicating openly and listening to their perspective
- D) Blaming the friend for everything

65. A résumé or Curriculum Vitae (CV) is a document primarily used for —

- A) Applying for a job
- B) Making a complaint
- C) Writing a story
- D) Submitting homework

66. Which of the following is a crucial life skill for personal growth?

- A) Memorising formulas without understanding
- B) Showing empathy towards others
- C) Scoring the highest marks in every test
- D) Sleeping for long hours

67. Your career choice should ideally be based on —

- A) What your friends are choosing
- B) Your parents' ambitions for you
- C) Your personal interests, skills, and values
- D) Which job seems the easiest

68. Effective communication is a two-way process that involves —

- A) Only talking and expressing your views
- B) Listening actively and understanding others
- C) Interrupting when you have a good idea
- D) Ignoring opinions that you disagree with

69. Which of the following is considered a “soft skill”?

- A) Operating a machine
- B) Leadership and teamwork
- C) Typing at 100 words per minute
- D) Driving a vehicle

70. Maintaining good personal hygiene is important for —

- A) Only looking good
- B) Your overall physical and mental health
- C) Following fashion trends
- D) Impressing your teachers

71. A person who studies stars, planets, and the universe is called an —

- A) Biologist
- B) Geologist
- C) Astronomer
- D) Chemist

72. A healthy way to manage stress is by —

- A) Skipping meals
- B) Avoiding friends and family
- C) Engaging in exercise and relaxation techniques
- D) Playing video games all day

73. Making an ethical decision means choosing an option that is —

- A) The most popular one
- B) The most profitable one
- C) Morally right and fair
- D) The easiest to execute

74. A positive attitude is beneficial because it helps in —

- A) Avoiding difficult challenges
- B) Reducing motivation and effort
- C) Improving performance and building resilience
- D) Creating conflict with others

75. The primary responsibility of a doctor is to —

- A) Make as much money as possible
- B) Sell medicines from a specific brand
- C) Diagnose and treat patients with care
- D) Manage the hospital's administration

76. Complete the analogy: 8 : 64 :: 6 : ?

- A) 36
- B) 42
- C) 12
- D) 48

77. FLOWER : PETAL :: BOOK : ?

- A) Paper
- B) Page
- C) Letter
- D) Word

78. Look at the pattern: $5 + 3 = 28$, $6 + 2 = 48$. What is the logic? If the same logic applies, what is $7 + 4$?

- A) 28
- B) 77
- C) 32
- D) 44

79. Find the odd one out in the group:

- A) Square
- B) Rectangle
- C) Circle
- D) Triangle

80. If 'A' = 1, 'B' = 2, 'C' = 3, and so on, what is the sum of the numerical values of the letters in the word "BAD"?

- A) 6
- B) 7
- C) 8
- D) 9

81. Find the missing number in the series: 2, 6, 12, 20, 30, ?

- A) 38
- B) 40
- C) 42
- D) 44

82. Complete the analogy: CAT is to KITTEN as DOG is to —

- A) PUPPY
- B) CUB
- C) CALF
- D) FOAL

83. Which of the following numbers completes the series: 3, 6, 12, 24, ?

- A) 36
- B) 46
- C) 48
- D) 54

84. Find the odd one out:

- A) Mango B) Banana C) Apple D) Carrot

85. Complete the analogy: PENCIL : WRITE :: BRUSH : ?

- A) Paint B) Erase
C) Colour D) Paper

86. Find the next term in the sequence: 5, 10, 20, 40, ?

- A) 45 B) 50
C) 60 D) 80

87. EARTH : PLANET :: SUN : ?

- A) Moon B) Star
C) Galaxy D) Universe

88. Identify the missing letter in the series: A, C, F, J, O, ?

- A) U B) P
C) Q D) S

89. ODD : EVEN :: BLACK : ?

- A) White B) Blue
C) Yellow D) Red

90. Find the odd one out from the following elements:

- A) Oxygen B) Hydrogen
C) Carbon D) Mercury

91. India hosted the prestigious G20 Summit in which year?

- A) 2021 B) 2022
C) 2023 D) 2024

92. According to recent reports in 2023-24, which country surpassed China to become the world's most populous nation?

- A) United States B) India
C) Indonesia D) Brazil

93. The COP28 summit, a major global conference focused on climate change, was recently held in —

- A) Paris B) Dubai
C) New Delhi D) Rome

94. If a student wants to improve in both studies and a sport, the best decision would be to —

- A) Quit the sport to focus only on studies
- B) Create a balanced schedule for both activities
- C) Focus only on the sport and ignore studies
- D) Ask the teacher to reduce the homework

95. The minimum age for a citizen to be eligible to vote in the general elections in India is —

- A) 16 years
- B) 18 years
- C) 21 years
- D) 25 years

96. The “Make in India” initiative by the Government of India primarily focuses on —

- A) Reducing all exports to zero
- B) Promoting India as a global manufacturing hub
- C) Banning all imported goods
- D) Increasing taxes on farmers

97. Which constitutional body is responsible for conducting free and fair elections in India?

- A) The Supreme Court of India
- B) The Election Commission of India
- C) The Parliament of India
- D) The President’s Office

98. Your friend wants to copy your answers during an exam. What is the most ethical decision to make?

- A) Allow them to copy to help a friend in need.
- B) Politely refuse and explain that it is wrong.
- C) Cover your paper but let them see a few answers.
- D) Report them to the teacher immediately.

99. Who is the current President of India in the year 2025?

- A) Ram Nath Kovind
- B) Droupadi Murmu
- C) A. P. J. Abdul Kalam
- D) Narendra Modi

100. The “Digital India” campaign by the government is a major push towards —

- A) Increasing paperwork in offices
- B) Promoting internet-based governance and digital literacy
- C) Encouraging manual, in-person transactions
- D) Reducing the number of mobile phones in the country

