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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. Explore the role of a monarch butterfly within its ecosystem.

- | | |
|---------------|---------------|
| A) Predator | B) Pollinator |
| C) Decomposer | D) Parasite |

2. Identify the primary phase of water in clouds.

- | | |
|-----------|-----------|
| A) Liquid | B) Gas |
| C) Solid | D) Plasma |

3. Which ancient civilisation used the concept of zero first?

- | | |
|-----------|-------------|
| A) Roman | B) Egyptian |
| C) Indian | D) Chinese |

4. Who was the first slave king of Delhi Sultanate?

- | | |
|---------------------|--------------------|
| A) Qutubuddin Aibak | B) Iltumish |
| C) Raziyya Sultan | D) Alauddin Khilji |

5. A hard disk is an example of which type of data storage device ?

- | | |
|--------------------|----------------------|
| A) Primary Storage | B) Secondary Storage |
| C) Offline Storage | D) Tertiary Storage |

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

- | | |
|-------|-------|
| A) 42 | B) 45 |
| C) 50 | D) 55 |

7. Which planet in our solar system is closest to the sun?

- | | |
|------------|----------|
| A) Earth | B) Venus |
| C) Mercury | D) Mars |

8. Mount Everest is part of which mountain range?

- | | |
|------------|--------------|
| A) Andes | B) Himalayas |
| C) Rockies | D) Alps |

9. What is the longest river in Africa known for its annual flooding?

- | | |
|------------|----------|
| A) Congo | B) Nile |
| C) Zambezi | D) Niger |

10. What instrument measures wind speed?

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

11. Which ocean is the largest on Earth?

- | | |
|-------------|------------|
| A) Atlantic | B) Indian |
| C) Arctic | D) Pacific |

12. The city of Kannauj is in the _____

- | | |
|------------------|-------------------|
| A) Yamuna valley | B) Narmada valley |
| C) Ganga valley | D) Tapi valley |

13. Who is considered the political guru of Mahatma Gandhi?

- | | |
|------------------------|--------------------------|
| A) Bal Gangadhar Tilak | B) Gopal Krishna Gokhale |
| C) Jawaharlal Nehru | D) Subhas Chandra Bose |

14. What does the phrase “give up” mean?

- | | |
|--------------------------------|--------------------------------|
| A) To continue doing something | B) To stop trying or surrender |
| C) To increase effort | D) To start a new project |

15. On what date did the Jallianwala Bagh massacre occur?

- | | |
|-------------------|-------------------|
| A) April 10, 1919 | B) April 13, 1919 |
| C) April 15, 1919 | D) April 20, 1919 |

16. What is the capital city of Japan?

- | | |
|------------|------------|
| A) Beijing | B) Seoul |
| C) Tokyo | D) Bangkok |

17. Football is considered the most popular sport worldwide. How many players does each team have on the field during a match?

- | | |
|-------|------|
| A) 11 | B) 7 |
| C) 5 | D) 9 |

18. The structure of DNA can be described as?

- | | |
|-----------------|------------------|
| A) Double helix | B) Single strand |
| C) Triple helix | D) Circular loop |

19. I speak without a mouth and hear without ears. I have nobody, but I come alive with wind. What am I?

- | | |
|-----------|----------|
| A) Echo | B) Leaf |
| C) Shadow | D) Flame |

20. In mathematics, the number pi is approximately equal to?

- | | |
|---------|---------|
| A) 2.14 | B) 3.14 |
| C) 4.14 | D) 5.14 |

21. A compass is used to find which direction?

- | | |
|----------|----------|
| A) North | B) South |
| C) East | D) West |

22. Alexander Graham Bell is credited with inventing the _____

- | | |
|---------------|--------------|
| A) Light bulb | B) Telephone |
| C) Airplane | D) Car |

23. The hardest natural substance on Earth is?

- | | |
|------------|---------|
| A) Gold | B) Wood |
| C) Diamond | D) Iron |

24. The main purpose of the digestive system is to?

- | | |
|--------------------|---------------------|
| A) Circulate blood | B) Break down food |
| C) Remove waste | D) Produce hormones |

25. In which country the historical period known as the Renaissance began?

- | | |
|-----------|------------|
| A) France | B) Germany |
| C) Italy | D) England |

26. Identify the gas essential for human respiration.

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

27. The first person to set foot on the Moon was?

- | | |
|-------------------|-----------------|
| A) Neil Armstrong | B) Buzz Aldrin |
| C) John Glenn | D) Yuri Gagarin |

28. Water freezes at what temperature on the Celsius scale?

- | | |
|--------|-------|
| A) 100 | B) 0 |
| C) -10 | D) 32 |

29. The study of human populations and their impact on the natural world is called?

- | | |
|---------------|-----------------|
| A) Demography | B) Anthropology |
| C) Sociology | D) Ethnography |

30. What device is used to look at stars and planets?

- | | |
|---------------|-----------------|
| A) Microscope | B) Telescope |
| C) Periscope | D) Kaleidoscope |

31. Which body is responsible for making laws in India?

- | | |
|-------------------|-------------------------|
| A) The President | B) The Supreme Court |
| C) The Parliament | D) The State Assemblies |

32. _____ is a key feature of democracy and it influences all aspects of its functioning

- | | |
|---------------|-------------|
| A) Fraternity | B) Equality |
| C) Justice | D) Liberty |

33. Which state was the first in India to introduce mid-day meal scheme in 2001?

- | | |
|-------------------|----------------|
| A) Andhra Pradesh | B) Kerala |
| C) Tamil Nadu | D) Maharashtra |

34. What was the title given to Rama bai?

- A) Swami
- B) Intellectual
- C) Lady
- D) Pandita

35. What is the main function of the Judiciary?

- A) Making laws
- B) Implementing laws
- C) Interpreting laws
- D) Enforcing laws

36. How many sides does a hexagon have?

- A) Four
- B) Five
- C) Six
- D) Seven

37. Which term is considered more respectful when referring to individuals with disabilities?

- A) Handicapped
- B) Disabled
- C) Physically challenged
- D) Crippled

38. Which device converts electrical energy into mechanical energy?

- A) Generator
- B) Motor
- C) Battery
- D) Transformer

39. Julius Caesar was an emperor of which ancient empire?

- A) Roman
- B) Ottoman
- C) Persian
- D) British

40. Given that:

- 1. A is the brother of B.
- 2. C is the father of A.
- 3. D is the brother of E.
- 4. E is the daughter of B.

Then, uncle of D is

- A) B
- B) D
- C) A
- D) E

41. Magnetism at the centre of a bar magnet is?

- A) Strongest
- B) Weakest
- C) Stable
- D) Non-existent

42. How many sides of equal length does a rectangle have?

- A) One
- B) Two
- C) Three
- D) Four

43. The primary function of the human skeleton is to provide support and?

- A) Movement
- B) Digest food
- C) Circulate blood
- D) Store minerals

44. What does the phrase “it’s raining cats and dogs” mean?

- A) It is raining lightly.
- B) It is raining very heavily.
- C) It is a sunny day.
- D) Animals are falling from the sky.

45. If you face north and turn 90 degrees to your right, you are now facing?

- A) North
- B) South
- C) East
- D) West

46. Choose the odd one out: Circle, Rectangle, Triangle, Cylinder

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

47. What is a synonym of “truthfulness”?

- A) Dishonesty
- B) Sincerity
- C) Deception
- D) Fabrication

48. Which vitamin is crucial for maintaining good vision?

- A) Vitamin A
- B) Vitamin B12
- C) Vitamin C
- D) Vitamin D

49. The smallest bird in the world is known as the?

- A) Sparrow
- B) Hummingbird
- C) Crow
- D) Eagle

50. Which bear species is known for its white fur and lives in the Arctic?

- A) Grizzly bear
- B) Black bear
- C) Panda bear
- D) Polar bear

51. An example of a solid fossil fuel is?

- | | |
|----------------|--------------|
| A) Natural gas | B) Petroleum |
| C) Coal | D) Propane |

52. The largest desert in the world, located in northern Africa, is called the?

- | | |
|-------------|------------|
| A) Kalahari | B) Sahara |
| C) Gobi | D) Sonoran |

53. Which of the following is a web browser?

- | | |
|-------------------|-------------------------|
| A) Microsoft Word | B) Adobe Photoshop |
| C) Google Chrome | D) Windows Media Player |

54. What type of blood do birds have?

- | | |
|------------|---------|
| A) Cold | B) Warm |
| C) Neutral | D) Hot |

55. What unit is used to measure the energy in food?

- | | |
|------------|------------|
| A) Calorie | B) Celsius |
| C) Watt | D) Amp |

56. Which planet is known for having a ring system?

- | | |
|-----------|------------|
| A) Mars | B) Jupiter |
| C) Saturn | D) Neptune |

57. _____ states that no person can be discriminated on the basis of their religion, sex, caste or income and wealth .

- | | |
|-------------------------|----------------------------|
| A) Indian Constitution | B) American Constitution |
| C) African Constitution | D) Australian Constitution |

58. A button that makes character either upper or lower case and numbers to symbols ?

- | | |
|------------|--------------|
| A) Monitor | B) Shift Key |
| C) Icon | D) Mouse |

59. The main purpose of white blood cells is to?

- | | |
|-----------------|----------------------|
| A) Carry oxygen | B) Fight infections |
| C) Clot blood | D) Provide nutrients |

60. Which of these is not typically a function of a leaf?

- A) Conduct photosynthesis
- B) Store food
- C) Breathe through stomata
- D) Grow roots

61. Who has the authority to issue currency in India?

- A) The Reserve Bank of India
- B) The Ministry of Finance
- C) Central government
- D) The Parliament of India

62. A mammal that lays eggs is the?

- A) Kangaroo
- B) Platypus
- C) Bat
- D) Whale

63. What is Braille used for?

- A) To create digital art
- B) To assist people with visual impairments in reading
- C) To write computer code
- D) To design websites

64. Which city is known as the ‘City of Canals’?

- A) Venice
- B) Amsterdam
- C) Bangkok
- D) Manchester

65. A triangle that has all sides of equal length is called a?

- A) Right triangle
- B) Scalene triangle
- C) Equilateral triangle
- D) Isosceles triangle

66. The main organ responsible for filtering blood in the human body is the?

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

67. To convert inches to feet, you need to divide the number of inches by?

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

68. The most widely spoken language in the world is?

- A) Spanish
- B) English
- C) Mandarin
- D) Hindi

69. In what environment do cacti thrive best?

- A) Forest
- B) Desert
- C) Mountain
- D) Swamp

Read the passage and answer the questions below.:

Basketball is a fast-paced team sport played on a rectangular court, typically indoors. It involves two teams, each consisting of five players, who compete to score points by shooting a ball through the opponent's hoop, which is elevated 10 feet above the ground. The game was invented in 1891 by Dr. James Naismith, who wanted to create a new indoor activity to keep his students physically active during the winter months.

The objective of basketball is to outscore the opposing team by making more field goals (worth two or three points) and free throws (worth one point) than they do. Players can pass, dribble, or shoot the ball to advance it down the court. The game is divided into four quarters, and teams must work together to devise strategies for offence and defence. Basketball is not only popular in schools and colleges but also has a massive following at the professional level, with leagues like the NBA attracting millions of fans worldwide.

70. Who invented basketball?

- | | |
|-----------------------|--------------------|
| A) Dr. James Naismith | B) Michael Jordan |
| C) LeBron James | D) Dr. James Smith |

71. What is the height of the basketball hoop?

- | | |
|------------|------------|
| A) 8 feet | B) 9 feet |
| C) 10 feet | D) 12 feet |

72. How many players are there on each team in a basketball game?

- | | |
|---------|----------|
| A) Four | B) Five |
| C) Six | D) Seven |

73. What is the main objective of basketball?

- | | |
|--|--|
| A) To run the fastest | B) To score more points than the opposing team |
| C) To shoot the ball as high as possible | D) To pass the ball to the most players |

74. An ecosystem consists of all the living and non-living things in an area interacting with each other.

- | | |
|-----------------------|---------------------------|
| A) True | B) False |
| C) Only living things | D) Only non-living things |

75. Approximately how many years old is the Earth?

- | | |
|-----------------------|----------------------|
| A) 4.6 million years | B) 4.6 billion years |
| C) 4.6 thousand years | D) 46 billion years |

76. A piece of land that is surrounded by water on three sides is called?

- | | |
|--------------|--------------|
| A) Peninsula | B) Island |
| C) Isthmus | D) Continent |

77. The main purpose of the circulatory system is to?

- | | |
|--|-----------------------------------|
| A) Break down food | B) Transport nutrients and oxygen |
| C) Remove waste products from the body | D) Produce hormones |

78. What type of machine is an example of a simple lever?

- | | |
|----------------|----------------|
| A) Screwdriver | B) Wheelbarrow |
| C) Car | D) Computer |

79. What is the name of the galaxy that Earth is part of?

- | | |
|---------------------|---------------------|
| A) Andromeda Galaxy | B) Whirlpool Galaxy |
| C) Black Eye Galaxy | D) Milky Way Galaxy |

80. Bees play a crucial role in pollination. What is this process vital for?

- | | |
|--------------------|-------------------|
| A) Producing honey | B) Producing milk |
| C) Seed production | D) Producing silk |

81. The Great Pyramid of Giza in Egypt was originally built as a?

- | | |
|-----------|-------------|
| A) Palace | B) Fortress |
| C) Tomb | D) Temple |

82. What instrument is used to measure air pressure?

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

83. The coloured part of the human eye that controls how much light passes through the pupil is the?

- | | |
|---------|-----------|
| A) Iris | B) Cornea |
| C) Lens | D) Retina |

84. How many continents are there on Earth?

- | | |
|----------|----------|
| A) Five | B) Six |
| C) Seven | D) Eight |

85. A scientist who studies weather is called a?

- A) Biologist
- B) Geologist
- C) Meteorologist
- D) Astronomist

86. In what units electricity is measured?

- A) Decibels
- B) Litres
- C) Watts
- D) Grams

87. The largest planet in our solar system is?

- A) Earth
- B) Mars
- C) Jupiter
- D) Saturn

88. In the world of Computers, what is 'Ubuntu' ?

- A) A firewall developed by Microsoft
- B) Open Source Linux Operating System
- C) An ERP system from SAP
- D) Latest financial software package by Infosys

89. What type of animal is a spider?

- A) Insect
- B) Arachnid
- C) Mammal
- D) Reptile

90. Which part of the plant conducts water and nutrients from the roots to the leaves?

- A) Xylem
- B) Phloem
- C) Root hair
- D) Stem

91. During what phase of the moon is it completely visible from Earth?

- A) New moon
- B) Quarter moon
- C) Full moon
- D) Waning moon

92. Which force pulls objects toward the centre of the Earth?

- A) Magnetic
- B) Gravity
- C) Friction
- D) Tension

93. Which organ in the human body is primarily responsible for pumping blood?

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

94. Which part of a plant cell does photosynthesis occur?

- | | |
|-----------------|-------------|
| A) Mitochondria | B) Ribosome |
| C) Chloroplast | D) Nucleus |

95. Which festival is known as the “Festival of Lights”?

- | | |
|---------|-----------|
| A) Holi | B) Diwali |
| C) Eid | D) Pongal |

96. Which disease is primarily caused by vitamin D deficiency?

- | | |
|-------------|-------------|
| A) Scurvy | B) Rickets |
| C) Pellagra | D) Beriberi |

97. Which body system is responsible for carrying oxygen to the cells?

- | | |
|-----------------------|-----------------------|
| A) Digestive system | B) Circulatory system |
| C) Respiratory system | D) Nervous system |

98. What is the chemical formula for salt?

- | | |
|--------------------|---------------------|
| A) CO ₂ | B) O ₂ |
| C) NaCl | D) H ₂ O |

99. Who is the author of “The Diary of a Young Girl”?

- | | |
|-------------------------|----------------------|
| A) Anne Frank | B) Maya Angelou |
| C) Laura Ingalls Wilder | D) Louisa May Alcott |

100. Which of the following cricket grounds is known as the ‘Mecca of Cricket’?

- A) Lord’s Cricket Ground, England
- B) Adelaide Oval, Australia
- C) Brisbane Cricket Ground, Australia
- D) Barabati Stadium, Odisha