

**SECOND TERM SUMMATIVE EXAM - 2023****6 - STD****SCIENCE**

Marks : 60

TIME: 2.00 Hrs

10 x 1 = 10

**I. Choose the correct answer.**

1. The unit of heat is  
a) Newton      b) Joule      c) Volt      d) Celsius      1) b
2. The device which converts chemical energy into electrical energy is  
a) Fan      b) solar cell      c) cell      d) television      2) c
3. Electricity is produced from  
a) transformer      b) power station      c) electric wire      d) television      3) b
4. Which one of the following is a good conductor?  
a) Silver      b) Tree      c) Rubber      d) Plastic      4) d
5. Gas exchange takes place in plants using ...  
a) stomata      b) chlorophyll      c) leaves      d) Flowers      5) a
6. Change happens during ice melts into water is .....  
a) Displace      b) colour change      c) change in state      d) position change      6) c
7. Which of the following is desirable change?  
a) Rusting      b) climate change      c) Earth quake      d) Flooding      7) b
8. Circulating system transports these in the body  
a) oxygen      b) nutrient      c) Hormones      d) All of these
9. Main organ of respiration in human body is  
a) stomach      b) spleen      c) Heart      d) Lungs
10. Which of the following is an output device?  
a) Mouse      b) Keyboard      c) Speaker      d) Pendrive

5 x 1 = 5

**II. Fill in the blanks**

11. The SI unit of temperature is Kelvin
12. Key is the device used to close or open an electric circuit.
13. The gas given out during photosynthesis is oxygen
14. The instrument used to observe the cell is Microscope
15. The eye is the largest sense organ in our body.

5 x 1 = 5

**III. True or False. If false give the correct answer.**

16. Eye Steam is formed when heat is released from water. F
17. men Pure water is a good conductor of electricity. F
18. Teething in babies is slow change. T
19. Bbc Nerve cell is the longest cell. T
20. Bbc Blood is produced in the bone marrow. F

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IV. Match the following

5 x 1 = 5

- 21. Conducting Canal - Nucleus ~~21~~ 23
- 22. Suicidal Bag - Endoplasmic reticulum 23 21
- 23. Control centre - lysosome 22
- 24. Energy producer - Chloroplast 25
- 25. Food producer - Mitochondria 24

V. Analogy :

5 x 1 = 5

- 26. Physical change : Boiling : Chemical change : Burning
- 27. Lungs : Respiratory system : Heart : circulatory system
- 28. Adipose : Tissue : Eye : Oxygen
- 29. Spirogyra : plant cell : Amoeba : Animal Animals
- 30. Ice cube : 0°C : Boiling water : 100°C

VI. Answer in short for any 10 of the following questions.

10 x 2 = 20

- 31. What is temperature?
- 32. Draw the circuit diagram for series connection.
- 33. Circle the odd one out. Give reason for choice. <sup>5</sup> Switch, <sup>4</sup> bulb, <sup>1</sup> Battery, <sup>2</sup> Generator 3
- 34. What is a solution?
- 35. Define a slow change.
- 36. What happens when paper is burnt? Explain.
- 37. What kind of change is associated with decaying of plants?
- 38. Arrange in correct sequence : <sup>5</sup> Elephant, <sup>4</sup> Cow, <sup>1</sup> Bacteria, <sup>3</sup> Mango, <sup>2</sup> Rose plant
- 39. What will happen if you breath through mouth?
- 40. Differentiate : Eukaryotic and Prokaryotic cells.
- 41. Write any two functions of digestive system.
- 42. Name the parts of a computer. Input, output

VII. Answer in detail.

- 43. a) Explain thermal expansion with suitable examples. (OR)
- b) Write notes on conductors and Insulators.
- 44. a) Draw a neat labelled diagram of a prokaryotic cell. (OR)
- b) List out the functions of endocrine system and nervous system.

2 x 5 = 10

