

**SECOND MID TERM TEST - 2022****6 - STD****SCIENCE**

006220

Time : 1.30 Hrs

Marks : 50

**I Choose the appropriate answer.**

5 X 1 = 5

- The Unit of heat is  
a) Newton      b) Joule      c) Volt      d) Celsius
- The device which converts chemical energy into electrical energy is  
a) Fan      b) Solar cell      c) Cell      d) Television
- Formation of curd from milk is  
a) a reversible change      b) a fast change  
c) an irreversible change      d) an undesirable change
- The unit of measurement used for expressing dimension (size) of cell is .....  
a) Centimeter      b) Millimeter      c) Micrometer      d) Meter
- Main organ of respiration in human body is  
a) Stomach      b) Spleen      c) Heart      d) Lungs

**II Fill in the blanks.**

5 X 1 = 5

- Two bodies are said to be in the state of thermal ..... if there is no transfer of heat taking place.
- Flow of electricity through a closed circuit is .....
- Bursting of fire crackers is a ..... change.
- The term "cell" was coined by .....
- The endocrine glands produce chemical substances called .....

**III True or false.**

5 X 1 = 5

- Borosilicate glass do not expand much on being heated.
- The switch is used to close or open an electric circuit.
- Digestion of food is a physical change.
- Nerve cell is the longest cell.
- Blood is produced in the bone marrow.

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**IV Match the following.**

5 X 1 = 5

- |                      |   |                               |
|----------------------|---|-------------------------------|
| 1. Temperature       | - | Protection of Internal Organs |
| 2. Growth of a child | - | Mitochondria                  |
| 3. Control centre    | - | Kelvin                        |
| 4. Energy producer   | - | Nucleus                       |
| 5. Skeletal system   | - | Slow change                   |

**V Give short answer. (Answer any 5)**

5 X 2 = 10

1. What is temperature?
2. Make a list of electrical equipments at home which we get heat from?
3. Draw the circuit diagram for series connection.
4. What is solution?
5. What type of changes is associated with germination of a seed? Explain.
6. Give any three examples of eukaryotic cell?
7. Write the functions of epiglottis.
8. List out the functions of the human skeleton.

**VI Answer in details. (Any 5).**

5 X 4 = 20

1. Distinguish between heat and temperature.
2. Explain thermal expansion with suitable examples.
3. Tabulate the different components of an electric circuit and their respective symbols.
4. Give one example for each case that happens around you.
  - a) Slow and fast change.
  - b) Reversible and irreversible change
  - c) Physical and Chemical change.
  - d) Natural and Man-made change.
  - e) Desirable and undesirable change.
5. Tabulate any five cell organelles and their function.
6. Draw a neat labelled diagram of a Prokaryotic cell.
7. List out the functions of Endocrine system and Nervous system.
8. Write short notes on conductors and insulators.