

Tsi6S

Tenkasi District  
Summative Assessment - December 2023

612400

## Standard 6

Time: 2.00 Hrs.

## SCIENCE

Marks: 60

### PART - A

#### I. Choose the correct answer:

10×1=10

- 1) The unit of heat is
  - a) newton
  - b) joule
  - c) volt
  - d) celsius
- 2) \_\_\_\_\_ is a good conductor.
  - a) Silver
  - b) Wood
  - c) Rubber
  - d) Plastic
- 3) Air pollution leading to cold rain is a \_\_\_\_\_.
  - a) reversible change
  - b) fast change
  - c) natural change
  - d) human made change
- 4) Formation of curd from milk is \_\_\_\_\_.
  - a) a reversible change
  - b) a fast change
  - c) an irreversible change
  - d) an undesirable change
- 5) \_\_\_\_\_ is the percentage of nitrogen in air.
  - a) 78%
  - b) 21%
  - c) 0.03%
  - d) 1%
- 6) The control centre of the eukaryotic cell is
  - a) Cellwall
  - b) Nucleus
  - c) Vacuoles
  - d) Chloroplast
- 7) Most organelles in an eukaryotic cell is found in the
  - a) Cellwall
  - b) Cytoplasm
  - c) Nucleus
  - d) Vacuole
- 8) Circulatory system transports these throughout 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) Pen drive is \_\_\_\_\_ device.
  - a) output
  - b) input
  - c) storage
  - d) connecting cable

### PART - B

#### II. Answer any 15 questions: (Short answers)

15×2=30

##### 11) Analogy:

i) Heat : Joule : Temperature : Kelvin

ii) Ice cube : 0°C : Boiling water : 100°C

##### 12) Match the following:

1. Heat - 0°C
2. Temperature - 100°C
3. Thermal equilibrium - Kelvin
4. Ice cube - No heat flow
5. Boiling water - Joule

13) What is thermal expansion?

##### 14) True or False:

1. In a parallel circuit, the electricity has more than one path. **F**
2. Secondary cell can be used only once. **T**

##### 15) Arrange in sequence:

A CELL

A DEVICE

ELECTRICAL ENERGY

IS CALLED

WTO

CHEMICAL ENERGY

THAT CONVERTS

16) Can you produce electricity from lemon?

##### 17) Fill in the blanks:

- a) Boiling of egg results in \_\_\_\_\_ change. (a reversible / an irreversible)
- b) Bursting of fire crackers is a \_\_\_\_\_ change whereas germination of seeds is a \_\_\_\_\_ change. (slow / fast)

18) a) Photosynthesis : oxygen  
Respiration : Oxygen

b) 78% of air : Does not support combustion

c) 21% of air : Supports combustion

Tsi6S

2

- 19) Which one is called as "Area of movement"?
- 20) Who discovered the cell in 1665?
- 21) **Arrange in a correct sequence:**
1. Elephant, Cow, Bacteria, Mango, Rose plant
  2. Hen's egg, Ostrich's egg, Insects egg
- 22) **Fill in the blanks:**
- a) I am like a policeman, who am I?
  - b) I take part in food production of a cell, who am I?
- 23) Give any three examples of eukaryotic cell.
- 24) **Match:**
- |                    |                                 |
|--------------------|---------------------------------|
| 1. Ear             | - Cardiac muscle                |
| 2. Skeletal system | - Flat muscle                   |
| 3. Diaphragm       | - Sound                         |
| 4. Heart           | - Air sacs                      |
| 5. Lungs           | - Protection of Internal organs |
- 25) Write any two functions of digestive system.
- 26) Define the term "Trachea".
- 27) Describe about Skeletal system.
- 28) **Match:**
- |            |                       |
|------------|-----------------------|
| VGA        | - Input device        |
| Blue tooth | - Connecting cable    |
| Printer    | - LDM                 |
| Keyboard   | - Wireless connection |
| HDMI       | - Output device       |
- 29) Name the parts of a computer.
- 30) Name any two cables.

**PART - C****III. Answer any one question from each section:****4×5=20****Section - 1**

- 31) Explain thermal expansion with suitable examples.
- 32) Write short notes on conductors and insulators.

**Section - 2**

- 33) 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
- 34) Why is atmosphere essential for life on earth?

**Section - 3**

- 35) Draw a neat labelled diagram of a prokaryotic cell.
- 36) Tabulate any five cell organelles and their function.

**Section - 4**

- 37) List out the functions of endocrine system and nervous system.
- 38) Label the diagram

given below to show the four main parts of the urinary system and answer the following questions.



- A) Which organ removes extra salts and water from the blood?
- B) Where is the urine stored?
- C) What is the tube through which urine is excreted out of the body?
- D) What are the tubes that transfer urine from the kidneys to the urinary bladder called?