

Tsi7S

Tenkasi District

Second Summative Assessment, December - 2024



20-12-24

Standard 7

SCIENCE

Part - I

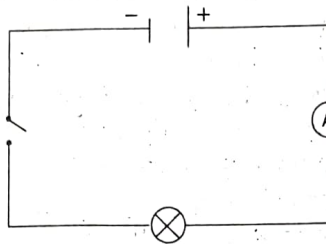
Time: 2.00 Hours

Marks: 60

10x1=10

## I. Choose the correct answer.

- International unit of measuring temperature is .....  
a) Kelvin                      b) Fahrenheit                      c) Celsius                      d) Joule
- In thermometer when bulb comes in contact with hot object, liquid inside it  
a) expands                      b) contracts                      c) remains same                      d) none of above
- In the circuit diagram below, 10 units of electric charge move past point 'X' every second what is the current in the circuit .....



- 10 A                      b) 1 A                      c) 10 V                      d) 1 V
- When a Woollen Yarn is knitted to get a sweater, the change can be classified as .....  
a) Physical change                      b) chemical change  
c) endothermic change                      d) exothermic change
  - ..... is not a chemical change  
a) Dissolution of ammonia in water  
b) Dissolution of Carbon-di-oxide in water  
c) Dissolution of oxygen in water  
d) Melting of polar ice caps
  - Basis unit of life  
a) cell                      b) protoplasm                      c) cellulose                      d) nucleus
  - I am the outer most layer of an animal cell. Who am I?  
a) cell wall                      b) nucleus  
c) cell membrane                      d) Nuclear membrane
  - The following characteristics are essential for classification  
a) similarities                      b) differences                      c) Both of them                      d) None of them
  - Who proposed the five kingdom of classification?  
a) Aristotle                      b) Linnaeus                      c) Whittakar                      d) Plato
  - Tux Math software helps in learning the .....  
a) Painting                      b) arithmetic                      c) Programming                      d) graphics

## Part - II

## II. Answer any 15 questions.

15x2=30

- Name of the units which are used to measure temperature.
- Fill in the blanks
  - Doctor uses ..... thermometer to measure the human body temperature
  - The common laboratory thermometer is a ..... thermometer.
- Match the following
  - Clinical thermometer - A form of energy
  - Heat - 100°C
  - Boiling point of water - 0°C
  - Melting point of water - Kink

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- 14) Name some devices that run using heat effect of electric current
- 15) **Analogy:**
- Water : Pipe : : Electric current : .....
  - Length : metre scale : : current : .....
- 16) **Match the following:**
- Monera - Moulds
  - Protista - Bacteria
  - Fungi - Neem
  - Plantae - Euglena
- 17) Define fuse
- 18) Beating of the heart is a periodic change. Why?
- 19) What type of energy changes is associated when ice melts?
- 20) Cold milk is heated and it becomes hot. which type of change it is?
- 21) Write a short note on nucleus
- 22) Distinguish between chloroplast and Mitochondria
- 23) *True or False - If false give the correct answer*
- Only plant cells have chloroplasts
  - Human stomach is an organ
- 24) List out the five kingdoms classification
- 25) Differentiate plantae and animalia
- 26) Write the binomial name of
- Human being
  - Paddy
- 27) What is Tux Paint?
- 28) What is the use of Ranger?
- 29) **Fill in the Blank:**
- Mature Red Blood cell do not contain a .....
  - Cytoplasm plus nucleoplasm is equal to .....
- 30) What is Tux Math?

## Part - III

4x5=20

## III. Answer the following questions.

- 31) a) State the similarities and differences between the laboratory thermometer and the clinical thermometer?
- (OR)
- b) Explain the heating effect of electric current
- 32) a) Distinguish physical and chemical changes
- (OR)
- b) Boiling of water is a physical change, but boiling of egg is a chemical change, Why?
- 33) a) Write about any three organelles in detail
- (OR)
- b) Explain about five kingdom classification.
- 34) a) Write short notes on - plantae and animalia
- (OR)
- b) Classify the following terms into cells, tissues, organs. Neuron, Lungs, Xylem, brain, adipose, Leaf, RBC, WBC, hand, muscle, heart, Ovum, squamous, phloem, cartilage.

Cell	Tissue	Organ