

Ts7S

Tenkasi District Common Examinations  
Summative Assessment - December 2022



21.12.2022

Standard 7

SCIENCE

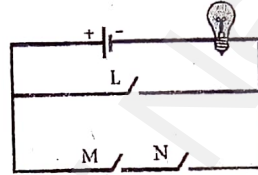
Marks: 60

Time: 2.00 Hrs.

10×1=10

## I. Choose the appropriate answer:

- The body temperature of a healthy man is
  - 0°C
  - 37°C
  - 98°C
  - 100°C
- International unit of measuring temperature is \_\_\_\_\_.
  - Kelvin
  - Fahrenheit
  - Celsius
  - Joule
- Small amounts of electrical current are measured in milliampere (mA). How many milliampere are there in 0.25A?
  - 2.5 mA
  - 25 mA
  - 250 mA
  - 2500 mA
- In the circuit shown, which switches (L, M or N) must be closed to light up the bulb?
  - Switch L only
  - Switch M only
  - Switch M and N only
  - Either Switch L or switches M and N



- The chemical change is \_\_\_\_\_.
  - water to clouds
  - growth of a tree
  - cow dung to bio-gas
  - ice-cream to molten ice-cream
- Basic unit of life
  - cell
  - protoplasm
  - cellulose
  - nucleus
- The largest division of the living world is \_\_\_\_\_.
  - order
  - kingdom
  - phylum
  - family
- Who proposed the five kingdom of classification?
  - Aristotle
  - Linnaeus
  - Whittaker
  - Plato
- Tux paint software is used to \_\_\_\_\_.
  - Paint
  - Program
  - Scan
  - PDF
- What is the shortcut key for undo option?
  - Ctrl+Z
  - Ctrl+R
  - Ctrl+Y
  - Ctrl+N

## II. Answer any 15 questions:

15×2=30

## 11) Fill in the blanks:

- At room temperature Mercury is in \_\_\_\_\_ state.
- S.I unit of Electrical Conductivity of a conductor is \_\_\_\_\_.

## 12) Match the following:

- |                                      |                    |
|--------------------------------------|--------------------|
| i) Clinical thermometer              | - A form of energy |
| ii) Normal temperature of human body | - 100°C            |
| iii) Heat                            | - 37°C             |
| iv) Boiling point of water           | - 0°C              |
| v) Melting point of water            | - Kink             |

## 13) Analogy:

- Physical change : Boiling  
Chemical change : \_\_\_\_\_
- Water : Pipe : Electric current : \_\_\_\_\_

## 14) Define fuse.

## 15) Name few insulators.

## 16) What are the main things in a nucleus?

## 17) Assertion - Reason type questions:

**Assertion (A)** : Copper is used to make electric wires.

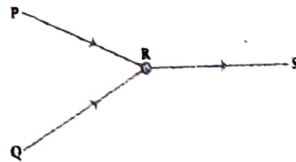
**Reason (R)** : Copper has very low electrical resistance.

**Option:**

- Both A and R are true and R is the correct explanation of A.
- Both A and R are true but R is not the correct explanation of A.
- A is true but R is true.
- Both A and R are false.

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- 18) Differentiate parallel and serial circuits.  
 19) Mention any two exothermic reactions.  
 20) **Analogy:**  
 1. Bacteria : Micro organism  
 Mango tree : \_\_\_\_\_  
 2. Chloroplast : Photosynthesis  
 Mitochondria : \_\_\_\_\_  
 21) Three conductors are joined as shown in the diagram.  
 The current in conductor RS is 10A. The current in conductor QR is 6A.  
 What will be the current in conductor PR.  
 a) 4A      b) 6A      c) 10A      d) 16A



- 22) Teacher said "A virus is not an organism" Do you agree with statement or not? Explain why?  
 23) Write a short note on nucleus.  
 24) **Match the following:**  
 1. Monera - Moulds  
 2. Protista - Bacteria  
 3. Fungi - Neem  
 4. Plantae - Butterfly  
 5. Animalia - Euglena  
 25) What is binomial nomenclature?  
 26) Write the binomial name of (a) Human (b) Paddy.  
 27) Which kingdom has saprophyte, parasitic and symbiotic nutrition. Why?  
 28) Why do we jerk a clinical thermometer before we measure the body temperature?  
 29) What is Tux paint?  
 30) What is the use of Ranger?

### III. Answer the following questions:

4×5=20

- 31) A) State the similarities and differences between the laboratory thermometer and the clinical thermometer.

(OR)

- B) Explain the heating effect of electric current.

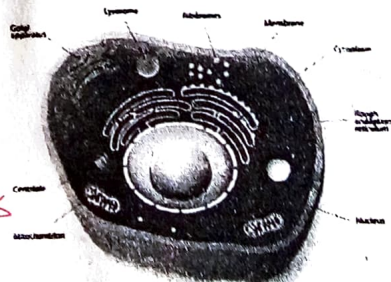
- 32) A) Explain the following statement: Digestion is a chemical change.

(OR)

- B) i) Distinguish physical and chemical change.

- ii) A very hot glass on putting in cold water cracks. What does this change indicate?

- 33) A) Write about any three organelles in detail.



(OR)

- B) Differentiate Plantae and Animalia.

- 34) A) Explain about five kingdom classification.

(OR)

- B) Give an account on the classification of invertebrates with few general features and examples.

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