



Standard 7

SCIENCE

Time: 2.00 Hrs.

Marks: 60

10×1=10**I. Choose the correct answer:**

- 1) International unit of measuring temperature is _____.
a) Kelvin. b) Fahrenheit c) Celsius d) Joule
- 2) In thermometer, when bulb comes in contact with hot object, liquid inside it
a) expands. b) contracts c) remain same d) none of above
- 3) Small amounts of electrical current are measured in milliampere (mA). How many milliampere are there in 0.25A?
a) 2.5 mA b) 25 mA c) 250 mA. d) 2500 mA
- 4) When a woollen yam is knitted to get a sweater, the change can be classified as _____.
a) Physical change. b) Chemical change
c) Endothermic change d) Exothermic change
- 5) _____ 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.
- 6) Basis unit of life
a) Cell. b) Protoplasm c) Cellulose d) Nucleus
- 7) I am the outer most layer of an animal cell. Who am I?
a) Cell wall b) Cell membrane.
c) Nucleus d) Nucleus membrane
- 8) The following characteristics are essential for classification
a) similarities b) differences c) both of them. d) None of them
- 9) Who proposed the five kingdom of classification?
a) Aristotle b) Linnaeus c) Whittakar. d) Plato
- 10) Tux math software helps in learning the _____.
a) painting b) arithmetic. c) programming d) graphics

15×2=30**II. Answer any 15 questions:**

11) What is the use of kink in clinical thermometer?

12) **Fill in the blanks:**

- i) Doctor uses _____ thermometer to measure the human body temperature.
- ii) The common laboratory thermometer is _____ thermometer.

13) **Match the following:**

- | | | |
|---------------------------|---|--------------------|
| 1. Clinical thermometer | - | A form of energy 2 |
| 2. Heat | - | 100°C 3 |
| 3. Boiling point of water | - | 0°C 4 |
| 4. Melting point of water | - | Kink 1 |

14) Name some devices that run using heat effect of electric current.

15) **Analogy:**

- i) Water : Pipe :: Electric current : wires
- ii) Length : Metre scale :: Current : Ammeter

16) Match the following:

- i) Monera - Moulds 3
 ii) Protista - Bacteria 1
 iii) Fungi - Neem 4
 iv) Plantae - Euglena 2

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:

i) Only plant cells have chloroplasts.

ii) Human stomach is an organ.

24) List out the five kingdoms classification.

25) What are the main things in a nucleus?

26) Write the binomial name of (a) Human being (b) Paddy.

27) What is TUX Paint?

28) What is the use of Ranger?

29) Fill in the blanks:

i) Mature Red Blood cell do not contain a _____.

ii) Cytoplasm plus nucleus is equal to _____.

30) What is TUX Math?

4×5=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, phloem, squamous, cartilage.

Cell	Tissue	Organ