

VNR7S

Virudhunagar District
Summative Assessment - December 2024

Standard 7

SCIENCE

Time: 2.00 Hrs.

Marks: 60

I. Choose the correct option:

10×1=10

- 1) International unit of measuring temperature is _____.
a) Kelvin b) Fahrenheit c) Celsius d) Joule
- 2) Mercury is often used in laboratory thermometers because it _____.
a) is a harmless liquid
b) is silvery in colour and is attractive in appearance
c) expands uniformly
d) is a low cost liquid
- 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) _____ of the following are endothermic changes.
a) Condensation and Melting b) Condensation and Freezing
c) Evaporation and Melting d) Evaporation and Freezing
- 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) I am the outer most layer of an animal cell. Who am I?
a) Cell wall b) Nucleus
c) Cell membrane d) Nuclear membrane
- 7) Suitable term for the various components of cell is _____.
a) Tissue b) Nucleus c) Cell d) Cell organelle
- 8) Approximately _____ species of living organisms found in the earth.
a) 8.7 million b) 8.6 million c) 8.5 million d) 8.8 million
- 9) The binomial name of pigeon is _____.
a) Homo sapiens b) Rattus rattus
c) Mangifera indica d) Columbo livia
- 10) In TuxMath, space cadet option is used for _____.
a) Simple addition b) Division c) Drawing d) Multiplication

II. Fill in the blanks:

5×1=5

- 11) At room temperature Mercury is in _____ state.
- 12) In conducting materials electrons are _____ bounded with atoms.
- 13) Respiration is a _____ change.
- 14) Unicellular organisms can only seen under a _____.
- 15) The binomial name of onion is _____.

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III. Match the following:

5×1=5

- 16) Normal temperature
of human body - Butterfly
- 17) Cell - Ice cube to water
- 18) Melting - Nucleus
- 19) Control room - 37°C
- 20) Animalia - A device which converts chemical energy
into electrical energy

IV. Answer any ten of the following questions:

10×2=20

- 21) Jyothi was prepared to measure the temperature of hot water a clinical thermometer. Is it right or wrong? Why?
- 22) What is the use of Kink in clinical thermometer?
- 23) **Analogy:**
- a) _____ : Conductor : Wood : Insulator
- b) Length : _____ : Current : Ammeter
- 24) Define fuse.
- 25) Mention any two exothermic reactions.
- 26) Growing of nails is a periodic change. Why?
- 27) Is solar eclipse a periodic change? Give your reason.
- 28) What are the functions of cell wall in plant cell?
- 29) Why the cell is very important for us?
- 30) Write correct sequence from cell to organism.
- 31) **Match in the following:**
1. Plantae - Euglena
2. Fungai - Bacteria
3. Protista - Moulds
4. Monera - Neem
- 32) List out the five kingdoms classification.
- 33) What is TuxMath?

V. Answer any four of the following questions:

4×5=20

- 34) State similarities and differences between the laboratory thermometer and the clinical thermometer.
- 35) Define - An electric current, electrical conductivity.
- 36) Differentiate Parallel and Serial circuits.
- 37) Explain the following statement. Digestion is a chemical change.
- 38) Distinguish Physical and Chemical changes.
- 39) Write about any three organelles in detail.
- 40) Write short notes on - Binomial Nomenclature.