



Standard 7

SCIENCE

Time: 2.00 Hrs.

Marks: 60

I. Choose the correct answer:

5×1=5

- 1) International unit of measuring temperature is _____.
a) Kelvin b) Fahrenheit c) Celsius d) Joule
- 2) Small amounts of electrical current 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
- 3) _____ of the following are endothermic changes.
a) Condensation and Melting b) Condensation and Freezing
c) Evaporation and Melting d) Evaporation and Freezing
- 4) _____ helps in cell division.
a) Endoplasmic reticulum b) Golgi complex
c) Centriole d) Nucleus
- 5) The binomial name of pigeon is _____.
a) Homo sapiens b) Rattus rattus
c) Magnifera indica d) Columbo livia

II. Fill in the blanks:

5×1=5

- 6) The binomial name of onion is _____.
- 7) Mature Red blood cell do not contain a _____.
- 8) Streching gold coin into a ring is a _____ change.
- 9) SI unit of Electrical conductivity of a conductor is _____.
- 10) The common laboratory thermometer is a _____ thermometer.

III. Match the following:

5×1=5

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|--------------------------------------|-------------------------------------|
| 11) Normal temperature of human body | - change state from solid to liquid |
| 12) Switch | - 37°C |
| 13) Melting | - used to open or close a circuit |
| 14) Power house | - Neem |
| 15) Plantae | - Mitochondria |

1V. State True or False:

5×1=5

- 16) Animal cells have a cellwall.
- 17) The representation of the electric current is A.
- 18) The electrical conductivity of the semiconductor is in between a conductor and an insulator.
- 19) Cutting of cloth is an example of a periodic change.
- 20) Tarnishing of silver is an example of endothermic change.

V. Short answer any 10 questions:

10×2=20

- 21) What is the use of kink in clinical thermometer?
- 22) Differentiate Parallel and Serial circuits.

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- 23) Define an electric current.
- 24) Name few insulators.
- 25) Is solar eclipse a periodic change? Give reason.
- 26) Distinguish between Physical and Chemical changes.
- 27) Distinguish between Smooth ER and Rough ER.
- 28) Write correct sequence from Cell to Organism.
- 29) What is Tux Math?
- 30) List out the five kingdoms classification.
- 31) i) Cell wall : Plant cell : Centriole : _____
 ii) Adipose : Tissue : Eye : _____
- 32) **Assertion (A)** : Copper is used to make electric wires.
Reason (R) : Copper has very low electrical resistance.
Option:
 - a) Both A and R are true and R is the correct explanation of A.
 - b) Both A and R are true but R is not the correct explanation of A.
 - c) A is true but R is false.
 - d) A is false but R is true.
 - e) Both A and B are false.

VI. Answer any 4 questions:**4×5=20**

- 33) Draw the diagram of a clinical thermometer and label its parts.
 - 34) Explain the heating effect of electric current.
 - 35) Explain the following statement: Digestion is a chemical change.
 - 36) Write about any three organelles in detail.
 - 37) Write short notes on - Binomial Nomenclature.
 - 38) Explain about five kingdom classification.
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