

Class : 7Register
Number**SECOND TERM - SUMMATIVE ASSESSMENT(SA) - 2023-24**

Time Allowed : 2.00 Hours]

SCIENCE

[Max. Marks : 60

I. Choose the correct answer.

10x1= 10

1. 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
2. The SI unit of resistance is
 - a) Volt
 - b) Ohm
 - c) Ampere
 - d) Coulomb
3. Electrical charges are generally denote by the letter _____
 - a) I
 - b) V
 - c) q
 - d) A
4. When a Woolen 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
5. The process in which a solid is converted directly into gas is called _____
 - a) Condensation
 - b) Evaporation
 - c) Crystallization
 - d) Sublimation
6. I am the outer most layer of an Animal Cell. Who am I?
 - a) Cell wall
 - b) Cell membrane
 - c) Nucleus
 - d) Nuclear membrane
7. _____ is the Power house of the Cell.
 - a) Mitochondria
 - b) Lysosome
 - c) Cytoplasm
 - d) Nucleus
8. The largest division of the living world is _____
 - a) Order
 - b) Kingdom
 - c) Phylum
 - d) Family
9. The binomial name of Frog is _____
 - a) Columba Livia
 - b) Rana Hexadactyla
 - c) Catla Catla
 - d) Rattus Rattus
10. Tux Paint software is used to _____
 - a) Paint
 - b) Program
 - c) Scan
 - d) PDF

II. Answer the following. (any 15)

15x2=30

11. What is Temperature.
12. What is the use of kink in Clinical Thermometer?
13. The Body temperature of Srinath is 99°F. Is he suffering from Fever? If so, Why?
14. Analogy:
 - (i) Copper : Conductor : : Wood : _____
 - (ii) Length : Metre Scale : : Current : _____
15. Define an Electric Current.
16. True or False:
 - (i) The Fuse wire does not melts whenever there is overload in the wiring.
 - (ii) In a Parallel circuit, the Electric Components are divided into Branches.
17. Convert the given Temperature.
 - (i) 45°C = _____°F.

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18. What is the difference between Dissolution of Sugar and Burning of Sugar?
19. What is Evaporation?
20. A very hot glass on putting in cold water Cracks. What does this Change Indicate?
21. Classify the following Changes as Physical and Chemical Changes.
- | | |
|-----------------------------|------------------------|
| (i) Filling up a balloon | (ii) Spoiling of Food |
| (iii) Burning of Matchstick | (iv) Rusting of a Iron |
22. Analogy:
- (i) Adipose : Tissue : : Eye : _____
- (ii) Cell wall : Plant cell : : Centriole : _____
23. What does Cell membrane do?
24. Distinguish between Cell wall and Cell membrane.
25. Why Lysosomes are known as Scavengers of the Cell?
26. Match:
- | | | |
|-------------------|---|----------|
| (i) Control room | - | Lysosome |
| (ii) Fungi | - | Nucleus |
| (iii) Plantae | - | Moulds |
| (iv) Suicidal Bag | - | Neem |
27. Write the Binomial Name of a) Human Being b) Paddy
28. Write any two merits of Five Kingdom Classification.
29. What is Tux Math?
30. Fill in the blanks:
- (i) Carolus Linnaeus is known as the Father of _____
- (ii) Mature Red Blood Cell do not contain a _____

PART - C

III. Answer any one question from each section.

(Draw a diagram if necessary)

4X5=20

SECTION - 1

31. a) Explain the Heating effect of Electric Current.

(OR)

- b) Draw the diagram of a Clinical Thermometer and label its parts.

SECTION - 2

32. a) Distinguish Physical and Chemical Changes.

(OR)

- b) Explain the following Statement. Digestion is a Chemical Change.

SECTION - 3

33. a) Write about any three Organelles in detail.

(OR)

- b) Compare the Plant Cell and the Animal Cell.

SECTION - 4

34. a) Explain about Five Kingdom Classification.

(OR)

- b) Write short notes on - Binomial Nomenclature.

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