

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

Time Allowed : 2.00 Hours]

SCIENCE

[Max. Marks : 60

I. Choose the correct answer.

10x1= 10

1. Light year is the unit of -----
a) distance b) time c) density d) Both length and time
2. A particle is moving in a circular path of radius r. The displacement after half a circle would be -----
a) Zero b) R c) 2r d) r/2
3. The metal which is liquid at room temperature is
a) Chlorine b) Sulphur c) Mercury d) Silver
4. An element which is always lustrous, malleable and ductile is -----
a) Non - metal b) Metal c) Metalloid d) Gas
5. ----- is positively charged.
a) Proton b) Electron c) Molecule d) Neutron
6. Nucleons comprises of -----
a) Protons and electrons b) Neutrons and electrons
b) Protons and neutrons d) Neutrons and positron
7. Reproductive part of a plant is -----
a) Root b) Stem c) Leaf d) Flower
8. Pollinators are -----
a) Wind b) Water c) Insect d) All the above
9. Tobacco chewing causes -----
a) Anemia b) Periodontitis c) Tuberculosis d) Pneumonia
10. Which software is used to create symbols?
a) Photoshop b) Illustrator c) Vector Graphics d) Photostory

II. Answer the following. (any 15)

15x2=30

11. Name the units used to measure the distance between celestial objects.
12. Define - Astronomical unit.
13. A liquid having a mass of 250 g fills a space of 1000 cc. Find the density of the liquid?
14. Distinguish between speed and velocity?
15. What is centre of gravity?
16. Complete the analogy
a) Velocity : metre/ second
Acceleration : -----
b) Tuberculosis : Air
Cholera : -----
17. Classify the following as metals, non metals and metalloids.
Silicon, carbon, Iron, Copper
18. Write the chemical formula for the following elements.
a) Hydrogen b) Nitrogen c) Ozone d) Sulphur

19. Calculate the atomicity of H_2SO_4 .
20. State true or false. If false, correct the statement.
- The electron are positively charged.
 - An atom is electrically neutral.
21. Distinguish isotopes from isobar.
22. If the atomic number of carbon is 6, What is the number of electrons revolving in its orbit?
23. Fill in the blanks.
- The male reproductive part of a flower is -----
 - The female reproductive part of a flower is -----
24. Define - Pollination.
25. Name the different plant modifications in each of them.
- Banyan tree
 - Nepenthes
26. Ginger is considered to be a stem, not a root why?
27. Give any two communicable diseases, which spread in your locality during monsoon.
28. Match the following.
- | | | |
|-----------------|---|-----------------|
| i) Tuberculosis | - | Vibrio cholerae |
| ii) Cholera | - | Hydrophobia |
| iii) Typhoid | - | Mycobacterium |
| iv) Rabies | - | Salmonella |
29. What steps you will follow to keep your teeth healthy?
30. Write a note on 2D and 3D pictures.

PART - C

III. Answer any one question from each section.

(Draw a diagram if necessary)

4X5=20

SECTION - 1

31. Describe the graphical method to find the area of an irregularly shaped plane figure.

(OR)

32. Explain the types of stability with suitable examples.

SECTION - 2

33. Differentiate metals and non - metals.

(OR)

34. Draw the structure of an atom and explain the position of the sub - atomic particles.

SECTION - 3

35. The atomic number and the mass number of an element is 26 and 56 respectively. Calculate the number of electrons, protons, and neutrons in its atom. Draw the structure.

(OR)

36. Draw and label the parts of a flower.

SECTION - 4

37. i) Differentiate bisexual flower from unisexual flower? ii) What is cross pollination?

(OR)

38. Write about any three communicable diseases in detail.

CH / 7 / Sci / 2