Class : 9

Register Number: 9 3 0 1 - -

COMMON QUARTERLY EXAMINATION - 2024 - 25
SCIENCE

Time Allowed : 3.00 Hours]   [Max. Marks : 75

I   Choose the correct answer.   12x1= 12

1. Rulers, measuring tapes and metre scales are used to measure.
   a) Mass   b) Weight   c) Time   d) Length

2. The Area under velocity - time graph represents the
   a) Velocity of the moving object   b) Speed of the moving object
   c) Displacement covered by the moving object   d) Acceleration of the moving object

3. Clouds Float in atmosphere because of their low
   a) Density   b) Pressure   c) Velocity   d) Mass

4. ---------- has the same Properties throughout the sample
   a) Pure substance   b) Mixture   c) Colloid   d) Suspension

5. Change in the number of neutrons in an Atom changes it to
   a) an ion   (b) an Isotope   (c) an isobar   (d)another element

6. Element in the modern periodic table are arranged in ------- groups and --------- periods.
   a) 7, 18   b) 18,7   c) 17, 8   d) 8,17

7. Find the group having only marine members
   a) Mollusca   b) Coelenterata   c) Echinodermata   d) Porifera

8. The animal without skull is
   a) Acrania   b) Acephalia   c) Apteria   d) Acoelomate

9. The fibres consists of
   a) Parenchyma   b) Sclerenchyma   c) Collenchyma   d) None of above

10. Smooth Muscles occur in
    a) Uterus   b) Artery   c) Vein   d) All of the above

11. Transpiration takes place through ------------
    a) Fruit   b) Seed   c) Flower   d) Stomata

12. A Presentation consists of many ------------
    a) Pages   b) Slides   c) Place Holders   d) Messages

II. Answer any seven questions only. (Q.No.16 is compulsory)   7x2=14

13. Define : Least count of any Device.

14. Distinguish Distance and Displacement

15. Match the following:

1. Density   -   hp g
2. Pascal's law   -   Milk
3. Pressure exerted by a fluid -   Mass / Volume
4. Lactometer   -   Pressure

V / 9 / Sci / 1

16. Name the components in each of the following Mixtures.

    i) Ice cream   ii) Lemonade   iii) Air   iv) Soil

17. Fill in the Blanks:

    a) Total number of electrons that can be commodated in an orbit is given by ----------

    b) The Velency of Argon is ----------

18. State modern Periodic Law.

19. What is Nematocyst.

20. **State whether True or False. If False correct the statement.**

    i) Phloem is a made up of tracheids.

    ii) Vessels are found in Collenchyma

21. $6 CO_2 + \underline{\hspace{2cm}} \xrightarrow[\text{Chlorophyll}]{\text{Sun Light}} \underline{\hspace{2cm}} + 6O_2 \uparrow$

22. What is Libreoffice Impress.

III. **Answer any 7 questions: (Q.No.30 is compulsory)**   7x4=28

23. Differentiate Mass and Weight.

24. Explain different types of Motion.

25. a) Why does a helium balloon Float in Air.

    b) State Pascal's Law.

26. How are homogenous solution different from hetrogeneous solution? Explain with examples.

27. Draw the structure of Oxygen and Sulphur atoms.

28. What are groups and Periods in the modern Periodic Table.

29. Give an account on Phylum Annelida.

30. List the characteristic features of Fishes.

31. List out the differences between Mitosis and Meiosis

32. Differentiate between Tropic and Nastic movements.

IV. **Answer all the questions.**   3x7=21

33. a) How will you find the thickness of a one Ruppe coin.

                                      (OR)

    b) Explain the Construction and Working of Hydrometer with diagram.

34. a) Write the difference between elements and compounds and give an example each.

                                      (OR)

    b) What Conclusions were made from the observations of Gold Foil experiment.

35. a) Give an account on Phylum Arthropoda.

                                      (OR)

    b) What are permanent Tissues? Describe the different Types of simple Permanent Tissues.

V / 9 / Sci / 2