ST. JOSEPH STUDY CENTRE

9th STD: Mid Term Test - 1   <u>**SCIENCE**</u>   **Time: 1 Hr 30 mins / Total Marks: 50**

I. Choose The correct answer: [10 x 1 = 10]

1. 1 metric ton is equal to

    (a) 100 quintals   (b) 10 quintals   (c) 1/10 quintals   (d) 1/100 quintals

2. Which among the following is not a device to measure mass?

    (a) Spring balance   (b) Beam balance   (c) Physical balance   (d) Digital balance

3. Rulers, measuring tapes and metre scales are used to measure

    (a) mass   (b) weight   (c) time   (d) length

4. Change in the number of neutrons in an atom changes it to

    (a) an ion.   (b) an isotope.   (c) an isobar.   (d) another element.

5. The correct electronic configuration of potassium is

    (a) 2,8,9   (b) 2,8,1   (c) 2,8,8,1   (d) 2,8,8,3

6. Mesoglea is present in

    (a) Porifera   (b) Coelenterata   (c) Annelida   (d) Arthropoda

7. Hermaphrodite organisms are

    (a) Hydra, Tape worm, Earthworm, Amphioxus   (b) Hydra, Tape worm, Earthworm, Ascidian

    (c) Hydra, Tape worm, Earthworm, Balanoglossus   (d) Hydra, Tape worm, Ascaris, Earthworm

8. Excretory organ of tape worm is

    (a) flame cells   (b) nephridia   (c) body surface   (d) solenocytes

9. Companion cells are closely associated with

    (a) sieve elements   (b) vessel elements   (c) trichomes   (d) guard cells.

10. Which of the following is a complex tissue?

    (a) Parenchyma   (b) Collenchyma   (c) Xylem   (d) Sclerenchyma

II. Answer any 10 of the following questions: [5 x 2 = 10]

11. Differentiate mass and weight.

12. Write the rules that are followed in writing the symbols of units in SI system.

13. Write the electronic configuration of K and Cl.

14. Draw the structure of oxygen and Sulphur atoms.

15. What are nucleons? How many nucleons are present in Phosphorous? Draw its structure.

16. How will you measure the least count of vernier caliper?

17. What is nematocyst?

18. Why coelenterates are called diploblastic animals?

19. What is meristem?

20. What is complex tissue? Name the various kinds of complex tissues.

21. Mention the most abundant muscular tissue found in our body. State its functions.

22. What are germ layers? Mention the types.

III. Answer any 6 of the following questions: **[6 x 5 = 30]**

23. Explain a method to find the thickness of a hollow tea cup.

24. Explain the postulates of Bohr's atomic model.

25. What conclusions were made from the observations of Gold foil experiment?

26. How will you find the thickness of a one rupee coin?

27. Give an account on phylum Annelida.

28. Give an account on phylum Arthropoda.

29. Write about the elements of xylem.

30. Write a short note on fluid connective tissue.

---ALL THE BEST---