FIRST TERM EXAMINATION - 2024

SUMMATIVE ASSESSMENT - SCIENCE

C

CLASS : 7   Corporation Middle School   Marks : 60

K. LUCKSANA   Shajahan Nagar   Time : 2.00 Hrs.
Coimbatore - 641035.

I. Choose the correct answers.   (8x1=8)

1. Which of the following is a derived quantity?

    (a) Mass   (b) Time

    (c) Area   (d) Length

2. How can we increase the stability of an object?

    (a) Lowering the centre of gravity

    (b) Raising the centre of gravity

    (c) Increasing the height of the object

    (d) Shortening the base of the object

3. An element which is always lustrous, malleable and ductile is

    (a) non-metal   (b) metal

    (c) metalloid   (d) gas

4. Nucleons comprises of _____.

    (a) protons and electrons   (b) neutrons and electrons

    (c) protons and neutrons   (d) neutrons and positrons

5. Asexual reproduction in yeast is _____.

    (a) spore formation   (b) fragmentation

    (c) pollination   (d) budding

6. Climbing roots are seen in

    (a) betel   (b) black pepper

    (c) Both of them   (d) None of them

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7. Our living place should be

   (a) open   (b) closed

   (c) clean   (d) unclean / untidy

8. Which software is used to create symbols?

   (a) Photoshop   (b) Illustrator

   (c) Vector graphics   (d) Photostory

II. Fill in the blanks.   **(5x1=5)**

9. The area of a leaf can be measured using a _____.

10. The rate of change of velocity is _____.

11. The _____ revolve around the nucleus.

12. After fertilization the ovule becomes _____.

13. I am green colour box with garbage. I am _____.

III. Say true or false, If false correct the statement.   **(5x1=5)**

14. The region covered by the boundary of a plane figure is called its volume.

15. Argon is monoatomic gas.

16. Ginger is an underground root.

17. All food should be covered.

18. The nucleus is surrounded by protons.

IV. Match the following.   **(5x1=5)**

19. Length   -   a) Large base area

20. Centre of gravity of

   geometrical shaped objects   -   b) Monovalent

21. Hydrogen   -   c) Visual Communication

22. Hook   -   d) Rope

23. Animation   -   e) Bignonia

V. Complete the analogy. (3x1=3)

24. Displacement/Time : Velocity :: Distance/time : _____.

25. K : Potassium :: C : _____.

26. Tuberculosis : Air : Cholera: _____.

VI. Short answers (any seven) (7x2=14)

27. What are derived quantities?

28. Distinguish speed and velocity.

29. Classify the following as elements and compounds.

    i. Water

    ii. Common salt

    iii. Sugar

    iv. Carbon dioxide

    v. Iodine

    vi. Aluminium

30. What is atomic number?

31. The atomic number of an element is 9. It has 10 neutrons. Find the element from the periodic table. What will be its mass number?

32. Write two types of reproduction in plants.

33. What is hygiene?

34. Name the mode of transmission of communicable diseases.

35. Write a note on 2D and 3D pictures.

VII. Answer in detail (any four) (4x5=20)

36. How will you determine the density of a stone using a measuring jar?

37. Explain the types of stability with suitable examples.

38. Explain the characteristics of compound.

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

40. Draw the L.S. of a flower and label its parts.

41. Write about any three communicable diseases in detail.