FIRST TERM SUMMATIVE EXAMINATION - 2022

7 - Std   **Science**

Time : 2.00 Hrs   Marks : 60

I   Choose the correct answer.   5 X 1 = 5

1.   Which of the following is a derived quantity?

a) mass   b) time   c) area   d) length

2.   Which of the following is an example for a metal?

a) Iron   b) Oxygen   c) Helium   d) Water

3.   The metal which is liquid at room temperature is ....

a) Chlorine   b) Sulphur   c) Mercury   d) Silver

4.   The sub - atomic particle which revolves around the nucleus is ....

a) atom   b) neutron   c) electron   d) Proton

5.   Reproductive part of a plant is ....

a) root   b) stem   c) leaf   d) flower

II   Fill in the blanks.   5 X 1 = 5

6.   The area of a leaf can be measured using a ....

7.   The rate of change of velocity is ....

8.   There are .... number of known elements.

9.   Which compound has 1 Carbon atom and 2 Oxygen atom ....

10.   I am green colour box with garbage. I am ....

III   State true or false. If false, correct the statement.   5 X 1 = 5

11.   The Thanjavur Doll is the great example for stable equilibrium.

12.   NaCl represent one molecule of Sodium chloride.

13.   Ginger is an underground root.

14.   Chicken pox is also known as Leucoderma.

15.   The electrons are positively charged.

IV   Match the following.   5 x 1 = 5

16.   Distance   -   Dirty Water

17.   Speed of ship   -   Fe

18.   Iron   -   Knot

19.   Phylloclade   -   Light year

20.   Cholera   -   Opuntia

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V   **Answer any ten questions briefly.**   10 X 2 = 20

21.   Name some of the derived quantities.

22.   What is one light year?

23.   What is centre of gravity?

24.   Classify the following as elements and compounds water, common salt, sugar, Carbon di oxide, Iodine and Lithium.

25.   Write the chemical formula for the following elements.

        a) Hydrogen   b) Nitrogren   c) Ozone

26.   Name the sub - atomic particles.

27.   What are isotones? Give one example.

28.   What are the two important parts of a flower.

29.   Which is the world's largest and heaviest seed? Which is the smallest seed?

30.   Define : Pollination.

31.   Given any two communicable diseases. Which spread in your locality during monsoon?

32.   What is Roster Graphics?

33.   Write the atomicity of Culphuric acid (H_2SO_4)?

34.   Give the value of the light year?

VI   **Answer in detail. (Any four only).**   4 X 5 = 20

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

36.   Differentiate metals and non - metals.

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

38.   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.

39.   Write a brief account on pollination.

40.   How the disease are transmitted from one person to the other person?

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