

FIRST TERM - SUMMATIVE ASSESSMENT SEP- 2023**7 - Std****SCIENCE**

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Time : 2.00 Hrs

Marks : 60

PART - 1**I Answer all the questions.**

10 X 1 = 10


- One light year is
a) $9.46 \times 10^{15}m$ b) $9.46 \times 10^{-15}m$ c) $4.96 \times 10^{15}m$ d) $4.96 \times 10^{-15}m$
- SI unit of density is
a) kg / m^2 b) kg / m^3 c) kg / m d) g / m^3
- 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
- Reproductive part of a plant is
a) root b) stem c) leaf d) flower
- Nepenthes plant feeds on insects to obtain
a) oxygen b) nitrogen c) hydrogen d) carbon
- Oxygen, hydrogen, and sulphur are examples for
a) Metals b) non - metals c) metalloids d) inert gases
- The sub - atomic particle which revolves around the nucleus is
a) atom b) neutron c) electron d) proton
- Tobacco chewing causes
a) anemia b) peridontitis c) tuberculosis d) pneumonia
- Who uses the Photoshop software more?
a) Teacher b) Doctor c) Painter d) Photographer
- Which bacteria causes cholera
a) Vibrio cholera b) salmonella typhi
c) Mycobacterium tuberculosis d) Varicella zoster

PART - 2**II Answer any 15 questions.**

15 x 2 = 30

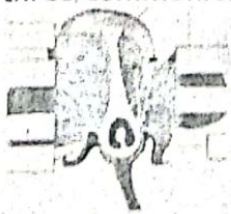
- Match the following.
a) Mass - g / cm^3
b) Length - Measuring jar
c) Density - amount of a substance
d) Volume - rope
- Define - Astronomical unit.
- Geetha take 15 minutes from her house to reach her school on a bicycle. If the bicycle has a speed of 4 m/s. calculate the distance between her house and the school,
- Use the analogy to fill in the blank.
a) Displacement / Time : Velocity
Speed / Time : ..distance
b) Length of scale : meter :
Speed of aeroplane :
- What is centre of gravity?

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16. Classify the following molecules as the molecules of element or compound.
a) N_2 b) NaCl
17. **Assertion :** The mass of an atom is the mass of its nucleus.
Reason : The nucleus is at the centre.
a) Both assertion and reason are true and reason is the correct explanation of assertion.
b) Both assertion and reason are true but reason is not the correct explanation of assertion.
c) Assertion is true but reason is false.
d) Assertion is false but reason is true.
18. Write the chemical formula for the following elements.
a) Hydrogen b) Sulphur
19. What is atomicity of elements
20. What is atomic number?
21. **State true or false. If false, correct the statement.**
a) A complete flower has four whorls. **T** b) Ginger is an underground root. **T**
22. What are isotopes? Give one example.
23. Write two types of reproduction in plants.
24. Who are called as 'Pollinators'?
25. **Match the following.**
- | | | | |
|-----------------|---|---------------|---|
| a) Typhoid | - | Yellow Urine | 4 |
| b) Rabies | - | Mycobacterium | 3 |
| c) Tuberculosis | - | Hydrophobia | 2 |
| d) Hepatitis | - | Salmonella | 1 |
26. Differentiate bisexual flower from unisexual flower?
27. Give any two communicable diseases, which spread in your locality during monsoon,
28. What does this picture mean?
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29. Write a note on 2D and 3D pictures.
30. What steps you will follow to keep your teeth healthy?

PART - 3**III Answer all the questions.**

4 x 5 = 20

31. a) Differentiate metals and non - metals. **(OR)**
b) Define the following terms with an example for each.
a) element b) compound c) metalloid
33. a) How will you determine the density of a stone using a measuring jar?
(OR) b) Explain the types of stability with suitable examples.
32. a) Draw the structure of an atom and explain the position of the sub - atomic particles. **(OR)** b) Write about and three communicable diseases in detail.
34. a) Draw the given picture and label any 5 parts. **(OR)**
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- b) Explain the underground stems.

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