

FM

FIRST MID TERM TEST - 2023

9 - STD

SCIENCE

--	--	--	--	--

Time : 1.30 Hrs

Marks : 50

I Choose the correct answer.

8 X 1 = 8

- 1 metric ton is equal to
a) 100 quintals b) 10 quintals c) 1/10 quintals d) 1/100 quintals
- The centrifugal force is
a) a real force b) the force of reaction of centripetal force
c) a virtual force d) directed towards the centre of the circular path
- In petroleum refining, the method of separation used is
a) sublimation b) separating funnel c) simple distillation d) fractional distillation
- 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
- Identify the animal having four chambered heart
a) Lizard b) Snake c) Crocodile d) Calotes
- State bird of Tamil Nadu is
a) Peacock b) Emerald dove c) Parrot d) Crow
- Which of the following is a complex tissue?
a) Parenchyma b) Collenchyma c) Xylem d) Sclerenchyma
- Smooth muscles occur in
a) Uterus b) Artery c) Vein d) All the above

II Answer any six from the following. Question number 16 is compulsory.

6 X 2 = 12

- Define least count of any device.
- Compare speed and velocity.
- Define sublimation.
- Draw the structure of Oxygen.
- Define taxonomy.
- What is nematocysts?
- State whether true or false. If false, correct the statement.
a) Parenchyma is a simple tissue. b) Phloem is made up of tracheids.
- Calculate the correct reading, if the main scale reading is 8cm, Vernier coincidence is 4 and positive zero error is 0.05cm.

III Answer any four from the following.**Question Number 22 is compulsory.**

4 X 4 = 16

- Differentiate mass and weight.
- Explain different types of motion.
- Explain Tyndall effect and Brownian movement with suitable diagram.
- List five characteristic features of fishes.
- List out the differences between mitosis and meiosis.
- Find the atomic number, mass number, number of protons, neutrons and electrons for the following element. a) ${}_{3}A^7$ b) ${}_{8}B^{16}$

IV Answer the following questions in detail.

2 X 7 = 14

- How will you find the thickness of a one rupee coin? (OR)
a) Write the differences between elements and compounds and give an example for each. b) How are homogenous solutions different from heterogeneous solution?
- Give an account of Phylum Arthropoda. (OR)
What are permanent tissues? Describe the different types of simple permanent tissues.

(CD) FM 9 - அறிவுரை (EM) ஒரு பக்கம்