

FIRST MID TERM TEST - AUGUST - 2023 TIME : 1.30 Hrs

8 - Std

SCIENCE

Marks : 50

- I. Choose the correct answer.** 1x10=10
- Which one of the following systems of unit is the British system of unit?
(a) CGS (b) MKS (c) FPS (d) SI
 - Luminous Intensity is the intensity of -----
(a) laser light (b) UV light (c) Visible light (d) IR light
 - Unit of pressure is ----- (a) Pascal (b) Nm^{-2} (c) Poise (d) Both a and b
 - Pascal's Law is used in -----
(a) hydraulic lift (b) brake system (c) pressing heavy bundles (d) All the above
 - Pencil lead contains ----- (a) graphite (b) diamond (c) aluminium (d) Sulphur
 - undergoes rusting. (a) Tin (b) Sodium (c) Copper (d) Iron
 - Which of the following factor induces electrolysis?
(a) Heat (b) Light (c) Electricity (d) Catalysis
 - shows both living and non living characteristics.
(a) Protozoa (b) Virus (c) Bacteria (d) Fungi
 - One of the following is an edible mushroom. a) Polyporus b) Agaricus c) Penicillin d) Aspergillus
 - The first land plants are
(a) bryophytes (b) pteridophytes (c) gymnosperm (d) angiosperm
- II. Fill in the blanks.** 5x1=5
- is used to measure electric current
 - The symbol of tungsten is -----.
 - is a chemical substance which alters the speed of a chemical reaction.
 - is prepared from a mould called penicillium.
 - A simple barometer was first constructed by-----.
- III. Answer the following : (Any 10)** 10x2=20
- Name the three Scales of temperature.
 - Consider the statements given below and choose the correct option.
Assertion : The SI system of units is the suitable system for measurements.
Reason : The SI unit of temperature is Kelvin.
a) Both assertion and reason are true and reason is the correct explanation of the assertion.
b) Both assertion and reason are true but reason is not the correct explanation of the assertion
c) Assertion is true, but reason is false d) Both assertion and reason are false
 - Why are heavy bags provided with broad straps?
 - Define friction.
 - Match it :**

i) Iron	-	For making wires
ii) Copper	-	Sewing needle
iii) Tungsten	-	As a fuel for ignition in rocket
iv) Boron	-	Making the filament of a bulb
 - What does a chemical symbol represent?
 - Name the metals that are used in jewellery.
 - What is pollution?
 - On heating, Calcium carbonate gives calcium oxide and Carbon dioxide. Is it an exothermic reaction or an endothermic reaction.
 - Which diseases can be prevented by vaccination?
 - What are antibiotics?
 - Say true or false. If false, correct the statement.
a) Cell wall of fungi is made up of chitin. b) Mosses are the well developed plant in bryophytes.
 - Define thallus.
 - Write any two differences between algae and fungi.
- IV. Answer in detail.** 3x5=15
- a) List out the base quantities with their units. (OR)
b) Describe an experiment to prove that the pressure in a liquid increases with depth.
 - a) Tabulate the differences between metals and non - metals. (OR)
b) Explain how food items are spoiled by chemical reactions?
 - a) Draw and label the diagram of bacteria. (OR) b) Write the names of five medicinal plants and one major use for each.

8 அறிவியல் Single PAGE