



COMMON FIRST MID TERM TEST - 2023

Standard - IX

Reg.No.

Time: 1.30 hrs.

SCIENCE

Marks:50

PART - I

7×1=7

I. Answer all the questions:

- Which among the following is not a device to measure mass?
a) Spring Balance b) Beam Balance c) Physical Balance d) Digital Balance
- Least count of a Vernier Caliper is _____ cm.
a) 1 b) 0.1 c) 0.01 d) 0.001
- A scalar quantity has _____.
a) magnitude only b) direction only c) both d) none
- When we mix a drop of ink in water we get a _____.
a) Heterogeneous mixture b) Compound c) Homogeneous mixture d) Suspension
- 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
- Air Sacs and Pneumatic bones are seen in _____.
a) fish b) frog c) bird d) bat
- _____ is the Unique characteristic feature of mammals.
a) Placenta b) Egg c) Tail d) Ear

PART - II

III. Answer any 5 questions (Q.No. 14 is Compulsory)

5×2=10

8. Match the following:

Column I	Column II
1. Electric current	Kg
2. Luminous intensity	Ampere
3. Temperature	Candela
4. Mass	K

- Compare Speed and Velocity.
- Fill in the blanks:**
 - A _____ mixture has no distinguishable boundary between its components.
 - An example of a substance that sublimates is _____.
- Draw and structure of oxygen and Sulphur atoms.
- Why are frogs said to be amphibians?
- Write the binomials of a) Man b) Tapeworm
- Find the number of neutrons, protons and electrons. Atomic number 92 and Mass number 238.

PART - III

III. Answer any 3 questions (Q.No. 19 is Compulsory)

3×4=12

- Differentiate Mass and Weight.
- State whether true or False. If false correct the statement.
 - The motion of a city bus in a heavy traffic road is an example for uniform motion.
 - Acceleration can get negative value also.
 - Define Velocity.
- Define Sublimation? Example.
 - What are nucleons? How many nucleons are present in Phosphorous? Draw its Structure?

18. List five characteristic features of fishes.
19. i) Find the mass of an object weighing 98N.
 ii) A sound is heard 5s later than the lightning is seen in the sky on a rainy day. Find the distance of location of lighting. Given the speed of sound = 346 ms^{-1} .

PART - IV**IV. Answer all the questions:****3×7=21**

20. a) i) What are the rules that are followed in writing the symbols of units in SI system (any 5 point) **(5)**
 ii) Define measurement? **(2)**

(OR)

- b) Derive equation of motion by graphical method? **(7)**

21. a) i) **Match the following:** **(3)**

Element	-	Settles down on standing
Compound	-	Impure substance
Colloid	-	Made up of molecules
Suspension	-	Pure substance
Mixture	-	Made up of atoms

- ii) Write the differences between elements and compounds and given an example for each. **(4)**

(OR)

- b) i) **Complete the following table:**

Atomic number	Mass Number	Number of Neutrons	Number of Protons	Number of Electrons
9	-	10	-	-
-	2	-	1	-
-	24	-	-	12
16	-	16	-	-

- ii) Write the Electronic Configuration of K, Cl and Na. **(3)**
22. a) i) Define taxonomy? **(2)**
 ii) How does locomotion takes place in Starfish? **(2)**
 iii) What is nematocyst? **(2)**
 iv) Fishes have _____ chambered heart. **(1)**

(OR)

- b) i) Give an account of Phylum Arthropoda. **(4)**
 ii) **Match :** **(2)**

Phylum	-	Examples
Coelenterata	-	Snail
Platyhelminthes	-	Star fish
Echinodermata	-	Tapeworm
Mollusca	-	Hydra

- iii) _____ is the largest Phylum of the animal kingdom. **(1)**