FORMATIVE ASSESSMENT - I

Class : IX   **Time: 1Hr**

Subject : GENERAL SCIENCE   **Max marks: 40**

General Instructions:

1. Write Biology and Physics and Chemistry in separate papers.   Write your name on Every paper and the subject Biology or Physics or Chemistry clearly.

2. Maintain neat hand writing and take care while writing the question numbers.

BIOLOGY (15M)

SECTION A   (3 x 1 =3)

1. Cell is discovered by
    a.   Robert Hook   b. Heckel   c. Lamark   d. Aristotle

2. Suicidal bags of cells are
    a.   Mitochondria   b. Lysosome   c. E.R   d. Nucleus

3. Major Bulk amount of Plant composed by
    a.   Ground tissue b. Vascular bundles   c. Meristematic tissue   d. Muscle tissue

SECTION B   (3 x 2 = 6m)
1.   Explain Mitochondria?
2.   Explain about xylem and phloem?
3.   Describe parenchyma.

SECTION C (2 x 3 = 6m)

1.   Differentiate between plant cell and animal cell?
2.   Describe nucleus?

PHYSICS (25M)

I)Answer the following   **5x1=5M**

1.What is dry ice?
2.Newton's first law of motion is also called _____?
3.What are the factors influencing the change in state of a matter?
4.What is momentum?
5.Define inertia of rest?

II)Answer the following   **4x2=8M**

6.Why do clothes dry faster on a sunny and a windy day compared to rainy season?
7.Define latent heat of fusion and latent heat of vapourization?
8.Why does a fielder a catch a fast moving cricket ball by pulling back his arms while catching it?
9.Write the limitation of Newton's third law of motion?

III)Answer the following   **4x3=12M**

10.How do you appreciate the process of evaporation?
11.What are the general properties of matter?
12.Explain Newton's third law of motion with an activity.
13.What force is required to produce an acceleration 3m/sec square in an object of mass 0.7?

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