FORMATIVE ASSESSMENT - I

Subject : General Science   Grade : VII

Name : _____   Marks : 20

Date : _____   Time :

Instructions:
- Read the question paper carefully.
- Write neatly and legibly.
- Do not over write or use white ink.
- Pay special attention to spelling.
- Read the answers before submitting the answer paper.

PHYSICS   Marks: 7

I. Fill in the blanks choosing the appropriate word/ phrase.   (2)
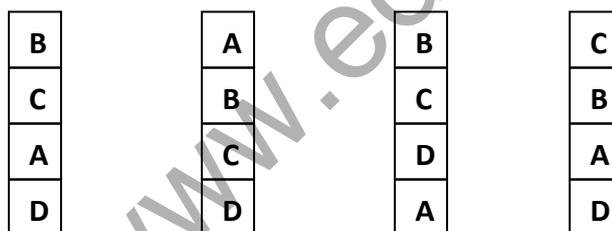
1. The unit of weight is _____.

    a) Newton   b) Kg   c) Kg/m^3 d) Pascal

2. Kerosene floats on water because it is _____water.

    a) denser than   b) as dense as   c) less dense than   d)none of these.

3. Four liquids have densities as follows:

   Liquid A: 1.2 Kg/m^3;   Liquid B: 0.5 Kg/m^3;   Liquid C:0.9Kg/m^3;   Liquid D: 1.5 Kg/m^3

   When poured in a container, which of the following pictures shows the correct arrangement of these liquids-

B		A		B		C
C		B		C		B
A		C		D		A
D		D		A		D

      a)   b)   c)   d)

4. The instrument used to measure relative density is_____.

    a) Hydrometer   b) Lactometer   c) Ammeter   d) Water meter.

II. Give scientific reason for the following statements: (2)

1. Heat energy plays the main role in setting up convection current.

2. Relative density has no unit.

III. Solve: (3)

The mass of wooden block is 40g and its volume is 200cm^3. The mass of an iron block of the same volume is 1600g. Find the density of wood and iron.

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CHEMISTRY   **Marks: 7**

I.   Choose the correct answer from the following: **(1)**

a. Elements are made up of

   (i) Similar atoms only   (ii) Different kinds of atoms

   (iii) Any two kinds of atoms   (iv) Different molecules

b. Choose the correct balanced equation for the chemical reaction given below

Aluminium + Sulphur $\rightarrow$ Aluminium Sulphide

(Symbol of aluminium is Al and Valency is 3; Symbol of Sulphur is *S* and Valency is 2)

   (i) $2Al + 3S \rightarrow Al_2$ (ii) $2Al + 3S \rightarrow Al_2S_3$

   (iii) $Al + S \rightarrow AlS$ (iv) $Al + S \rightarrow AlS_3$

II.   Fill in the blanks: **(2x½=1)**

   a. FeO is the symbol of _____ and Fe_2O_3 is the symbol of _____

   b. The Law of conservation of mass states that matter can neither be ـ____ nor ـ____

III. Define the following with an example: **(2x1½=3)**

   a. Cation   b. Homo – diatomic molecule

IV. What is an electronic configuration? Draw the electronic structure of the Aluminium atom. (Atomic number of Aluminium)   **(2)**

FORMATIVE ASSESSMENT - I

Subject : General Science   Grade : VII

BIOLOGY   Marks: 6

I. **Choose the correct answer from the following:**   **(2)**

a. An earthworm moves with the help of muscles present in its body wall and the tiny hard structures are called -

   (i) Hair   (ii) Setae   (iii) Spines   (iv) Spicules

 b. The movements of a plant part in response to an external stimulus but unrelated to the direction of the stimulus are called -

   (i) Nastic Movements   (ii) Tropic Movements

   (iii) Static Movements   (iv) All of the above

c. Muscles are usually attached to the bones by -

   (i) Ligaments   (ii) Tendons   (iii) Cartilage   (iv) Membranes

d. Drooping of leaflets of some plants in the evening is called -

   (i) Photonastic Movement   (ii) Tropic Movement

   (iii) Nyctinastic Movement   (iv) Seismonastic Movement

II. **Differentiate between Movement and Locomotion**   **(2)**

III.   **Draw a figure to show Phototropism and Geotropism**   **(2)**