FORMATIVE ASSESSMENT-1
CHAPTERS - 1,2,3
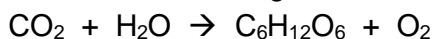
Name:…………………………….. Section:………… Roll No:………....   Max.Marks:25
....

I. Answer the following questions. Each carries four marks.   **2 x 4 = 8 M**

1) Where the image is formed when an object is placed on the principal axis of a concave mirror between the centre of curvature and the focus. What is the character of image? Explain the formation of image with a ray diagram.

2) Your friend has a doubt about Chemical double displacement raction. How can you clarify his/her doubt by showing an experiment? Explain.

II. Answer the following questions briefly. Each carries two marks.   **3 x 2 = 6 M**

3) Write the uses of concave mirror in our daily life.

4) Write the differences between oxidation and reduction. Give example.

5) Balance the following chemical equation (photo synthesis reaction):

$CO_2 + H_2O \rightarrow C_6H_{12}O_6 + O_2$

III. Answer the following in one or two sentences. Each carries one marks. **3 x 1 = 3 M**

6) What is the relation between focal length and radius of curvature of a concave mirror?

7) Define latent heat of a substance.

8) What is the principle of method of mixtures, according to heat?

IV. Choose the correct choice and write down in the given brackets.   **4 x 1 = 4 M**

9) When ice melts, its temperature   [   ]

   A. Remains constant   **B.** Increases

   C. Decreases   **D.** We can not say

10) The water droplets floating in the air is called   [   ]

   A. mist   **B.** fog   **C.** dew   **D.** mist / fog

11) Select the mirror formula from the following   [   ]

   A. $\frac{1}{f} + \frac{1}{v} = \frac{1}{u}$ **B.** $\frac{1}{u} - \frac{1}{v} = \frac{1}{f}$

   C. $\frac{1}{u} + \frac{1}{v} = \frac{1}{f}$ **D.** $\frac{1}{u} + \frac{1}{v} + \frac{1}{f} = 1$

12) $2Mg + O_2 \rightarrow 2MgO$ …..Which chemical reaction it is   [   ]

   A. Combination   **B.** Decomposition

   C. Displacement   **D.** Double displacement

IV. Fill in the blanks with suitable answers.   **4 x 1 = 4 M**

13) ……………….. is the combination of Zinc and copper.

14) If an object is placed at C on the principal axis in front of a concave mirror, the position of the image is ....

15) ……………….. gas is liberated, when lime stone is heated.

16) ……………….. mirror is used by ENT specialist doctors.