PHYSICAL SCIENCE SET-1 CLASS-10

FORMATIVE ASSESSMENT-1

CHAPTERS - 1,2,3

Name:…….. Section:……. Roll No:……..... Max.Marks:20

……

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 reaction. How can you clarify his/her doubt by showing an experiment? Explain.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

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

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

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

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

6) Define latent heat of a substance.

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

7) When ice melts, its temperature [ ]

A. Remains constant **B.** Increases

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

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

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

9) Brass is the combination of [ ]

A. Zn + Sn **B.** Zn + Cu **C.** Sn + Cu **D.** Zn + Fe

10) $2Mg + O_2 \rightarrow 2MgO$ …..Which chemical reaction it is [ ]

A. Combination **B.** Decomposition

C. Displacement **D.** Double displacement

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

A. at infinity **B.** between F and C

C. at C **D.** beyond C

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