FORMATIVE ASSESSMENT-2
CHAPTERS - 4,5
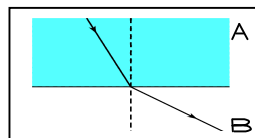
Name:………………….………….. Section:………… Roll No:………....   Max.Marks:25
....

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

1) What will be the result of following actions?
   a) Dry HCl with blue litmus paper   b) Tomato juice with Methyl orange indicator
   c) Sugar solution with red litmus paper d) Lime water with Phenophtalene solution

2) What is total internal reflection? What are the applications of total internal reflection in our daily life?

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

3) Why does distilled water not conduct electricity, where rain water conducts electricity?

4) Given the thickness of glass slab is 12cm and the vertical shift is 4.7cm. Find the Refractive index of the media.

5) When light refracted as shown in figure.
   Discuss about the properties of mediums A and B.

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

6) What happened to the value of p^H of milk when it turns into curd?

7) Why Plaster of Paris should be kept in a moisture proof container?

8) Write Snell's law.

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

9) Which of the following is an acid   [   ]
   A. lemon juice   **B.** lime water
   C. soap water   **D.** surf water

10) Clove oil is considered as   [   ]
   A. p^H indicator   **B.** synthetic indicator
   C. man made indicator   **D.** olfactory indicator

11) Which of the following statement is true   [   ]
   A. Higher the p^H, strong acid   **B.** Higher the p^H, weak base
   C. Lower the p^H, strong acid   **D.** Lower the p^H, strong base

12) The refractive index value of Diamond is   [   ]
   A. 1.003   **B.** 1.65
   C. 2.42   **D.** 1.33

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

13) Enamel of the teeth consists of ……………………………………

14) At critical angle of incidence, the angle of refraction is ....

15) Speed of light in vaccum is .... m/s

16) ……………………… is a result of change in speed of light at the interface.