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) Classify the following substances as strong acids, strong bases , weak acids or weak bases.

HCl	NaOH	CH_3COOH	HNO_3
KOH	NH_4OH	Saliva	Lemon juice

2) Define critical angle. Explain with a neat diagram.

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

3) Write about any two reactions in which Carbon dioxide is released.

4) What happened to P^H when milk turned into curd?

5) Draw a ray diagram for the following situation.

The light ray travels from rarer medium to denser medium.

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

6) Write the chemical name of Plaster of Paris.

7) Write Snell's law.

8) Define Total internal reflection.

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

9) $\frac{Speed\ of\ light\ in\ vacuum}{Speed\ of\ light\ in\ medium}$ = …… [ ]

A. Relative refractive index **B.** Refractive index

C. Critical angle **D.** Lens formula

10) A solution turns red litmus into blue. The P^H is likely to be …… [ ]

A. 1 **B.** 4 **C.** 7 **D.** 11

11) …….. acid present in Vinegar [ ]

A. Hydrochloric acid **B.** Sulphuric acid

C. Acetic acid **D.** Nitric acid

12) Identify the acid [ ]

A. Dettol hand wash **B.** Distilled water

C. Surf water **D.** Tamarind juice

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

13) The light ray travels …….. in denser medium.

14) Speed of light in vacuum is …….. Km/s.

15) …….. is the effect of total internal reflection.

16) $2HCl + Zn \rightarrow ZnCl_2 +$ ……

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