

FORMATIVE ASSESSMENT-2
CHAPTERS – 4,5

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

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 ₃ COOH	HNO ₃
KOH	NH ₄ OH	Saliva	Lemon juice

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

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

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

- 4) 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. 2 x 1 = 2 M

- 5) Write the chemical name of Plaster of Paris.

- 6) Write Snell's law.

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

- 7) $\frac{\text{Speed of light in vacuum}}{\text{Speed of light in medium}} = \dots\dots\dots$ []

A. Relative refractive index

B. Refractive index

C. Critical angle

D. Lens formula

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

A. 1

B. 4

C. 7

D. 11

- 9) []

A. Hydrochloric acid

B. Sulphuric acid

C. Acetic acid

D. Nitric acid

- 10) Identify the acid []

A. Dettol hand wash

B. Distilled water

C. Surf water

D. Tamarind juice

- 13) The light ray travels []

A. Fastly

B. Slowly

C. Can't say

D. No change in velocity

- 14) Speed of light in vacuum is []

A. 300000

B. 200000

C. 30000

D. 3000000