

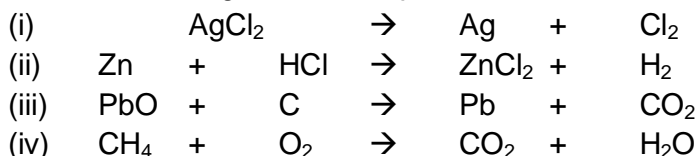
FORMATIVE ASSESSMENT-1
CHAPTERS - 1,2,3

Name:..... Section:..... Roll No:.....

Max.Marks:25

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

- 1) The rate of raise in temperature depends upon the nature of substances. How can you prove experimentally?
- 2) Balance the following chemical equations.



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

- 3) Write the differences between real and virtual images.
 4) Write the mirror formula and explain the terms in it.
 5) Define exothermic and endothermic reactions. If glucose powder is added to a glass of water. What happened? Identify whether it is an exothermic reaction or an endothermic reaction?

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

- 6) Two spherical mirrors are obtained from a same spherical substance.
 Which mirror has more focal length? Either M_1 or M_2 ?



- 7) What is the effect of temperature on the kinetic energy of the molecules in a substance?
 8) Define Rancidity.

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

- 9) 1 calorie =Joule []
 A. 4.4 B. 4.1 C. 4.2 D. 4.3
- 10) Heat flows from []
 A. Hot body to hot body B. Hot body to cold body
 C. Cold body to hot body D. Cold body to cold body
- 11) The energy released in which 1 gm of water at 0°C freezes to 1 gm of ice at 0°C []
 A. 80 cal B. 540 cal C. 640 cal D. 720 cal
- 12) Precipitate can be shown as In chemical equations. []
 A. \leftarrow B. \uparrow C. \downarrow D. \rightarrow

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

- 13) The brown coloured gas released when Lead nitrate is heated is
- 14) When divergent rays projected on a plane mirror, they get reflection as rays.
- 15) Mirrors are used in head lights of vehicles.
- 16) $\text{Zn} + 2\text{AgNO}_3 \rightarrow \dots\dots\dots + \text{Zn}(\text{NO}_3)_2$