

FORMATIVE ASSESSMENT-1  
CHAPTERS - 1,2

Name:..... Section:..... Roll No:..... **Max.Marks:25**

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

- 1) How do you determine the specific heat of Aluminium shots by using calorimeter.
- 2) Your friend has a doubt about Chemical double displacement raction. How can you clarify his/her doubt by showing an experiment? Explain.

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

- 3) Which of the following substance take more time to raise its temperature for a certain degree Celsius. Give reason.

Substance	Specific heat	Substance	Specific heat	Substance	Specific heat
	In cal/gm-°C		In cal/gm-°C		In cal/gm-°C
Kerosene	0.50	Water	1	Sea water	0.95

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

- 5) Balance the following chemical equation ( photo synthesis reaction ):



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

- 6) Why do pigs toil in the mud?
- 7) Define latent heat of a substance.
- 8) What is the principle of method of mixtures, according to heat?

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

- 9) When ice melts, its temperature [     ]

- A. Remains constant                      B. Increases
- C. Decreases                                D. We can not say

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

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

- 11) What would be the final temperature of a mixture of 60 g of water at 40°C temperature and 60 g of water at 80°C temperature? [     ]

- A. 70°C                      B. 50°C                      C. 60°C                      D. 65°C

- 12)  $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$  .....Which chemical reaction it is [     ]

- A. Combination                              B. Decomposition
- C. Displacement                             D. Double displacement

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

- 13) ..... is the combination of Zinc and copper.
- 14) The latent heat of fusion of ice is ..... Cal/gm.
- 15) ..... gas is liberated, when lime stone is heated.
- 16) ..... gas is used in manufacturing the potato chips packet.