# FORMATIVE ASSESSMENT - I (T.S) 10 A

## ● CCE MODEL ●

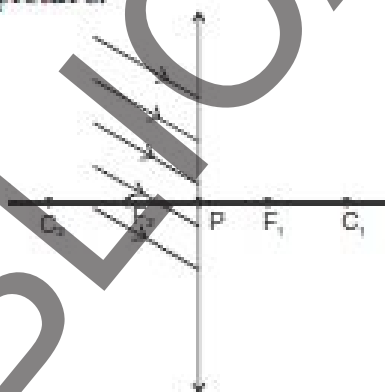| SYLLABUS | 1. Reflection of Light at curved surfaces, 2. Chemical Equations, 3. Acids, Bases and Salts, 4. Refraction of light at curved surfaces | PHYSICAL SCIENCE CLASS - 10 |
|---|---|---|

**Time : 45 Min.**                                                                                     **Marks : 20**

|  | Project Work | Lab Activity | Written Works | Slip Test | Total |
|---|---|---|---|---|---|
| Allotted Marks | 10 | 10 | 10 | 20 | 50 |
| Scored Marks |  |  |  |  |  |

**I. Answer the following questions :**                                        4 × 1 = 4 M

1. Complete the given picture.



2. Convex mirror can't burn a paper like concave mirror. State the reason.

3. Dry hydrogen chloride gas does not turn blue litmus to red whereas hydro chloric acid does. Why ?

4. How do you express the heat changes in a chemical equation ?

**II. Answer the following questions :**                                       3 × 2 = 6 M

5. Fresh milk has a pH of 6.6. Explain why the pH changes as it turns into curd?

6. Find the refractive index of the glass which is a symmetrical convergent lens if its focal length is equal to the radius of curvature of its surface.

7. State the differences between convex and concave mirrors.

**III. Answer the following questions :**                                      2 × 4 = 8 M

8. Write an activity to know the reaction of bases with metals.