PRACTICE TEST – 1 (X CLASS – PHYSICAL SCIENCES)

NAME: **R.No:**

Max.marks: 25 **Time:45Mts.**

1. Draw the ray diagrams for the following positions. 4m

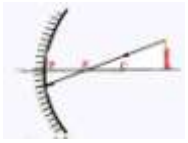
a) An object is placed on the principal axis of a concave mirror at a point between focus and radius of curvature

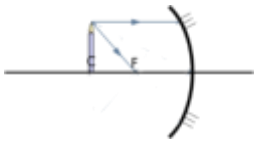
b) formation of virtual image in a concave mirror.

2. Fill the following table by writing the characteristics of image formed by a concave mirror 4m

Position of the object	Position of the image	Enlarged/diminished	Erect/inverted	Real/Virtual
Between mirror and Focus				
At Focus				
Between Focus and Center of curvature				
At centre of curvature				
Beyond centre of curvature				

3. Write the differences between Real and Virtual images 2m
4. Draw suitable rays by which we can guess the position of image formed by a concave mirror 2m
5. Comple the ray diagrams. 2m

a) 

b) 

6. Where will the image of stars or the moon be formed for a concave mirror? 1m
7. Write the uses of concave mirrors in your daily life. 1m
8. Which mirror forms a real and diminished image? 1m
9. In the adjacent figure, write the names of C, P, F . 1m

Choose the correct answer. 2m.

10.Image of an object is formed behind a concave mirror. Then the image is always……. ( )

a) Real and Erect b) Real and Inverted c) Virtual and Erect d) Virtual and Inverted

11.The rays travelling parallel to the principal axis of a concave mirror pass through …after reflection ( )

a) Focus b) Centre of curvature c) Pole d) Infinity

12.The line joining the centre of curvature and a point on a curved surface is …. At that point. ( )

a) Parallel b) Perpendicular c) Curved line d) Tangent

13. An object of height 3 Cm is placed on the principal axis of a concave mirror. If the Object distance from the mirror is equal to the radius of curvature, then the height of the image is equal to … ( )

a) 6cm b) 3cm c) 1.5cm d) 0.75cm