



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 16.06.20

Duration: 40 min

Worksheet 39

Full Marks: 15

LIGHT/SPHERICAL MIRRORS

Choose the Correct options:

1 The diameter of the reflecting surface of a spherical mirror is called

- a. centre of curvature
- b. The radius of Curvature
- c. Pole
- d. Aperture

2 The imaginary line passing through the centre of curvature and pole of a spherical mirror is called the

- a. Principal Axis
- b. centre of curvature
- c. The radius of Curvature
- d. Pole

3 The distance from the pole to focus is called.....

- a. Pole
- b. Aperture
- c. Principal Axis
- d. focal length

4 The focal length is equal to half of the

- a. centre of curvature
- b. The radius of Curvature
- c. Axis
- d. none of the above

5 The point on principal axis at which parallel rays; coming from infinity; converge after reflection is called the

- a. Principal Focus
- b. Aperture
- c. Principal Axis
- d. focal length

6 Spherical mirror with reflecting surface curved outwards is called

- a. spherical mirror
- b. curved mirror
- c. convex mirror.
- d. none of the above

7 Pole is generally represented by

- a. p
- b. P
- c. both A and B
- d. none of the above

8 The centre of a sphere of which the reflecting surface of a spherical mirror is a part is called

- a. Pole
- b. centre of curvature
- c. Radius of Curvature
- d. Aperture

- 9 Centre of curvature is not a part of spherical mirror rather it lies the mirror
- a. boundary
 - b. inside
 - c. outside
 - d. none of the above
- 10 In the case of concave mirror centre of curvature lies in of the reflecting surface
- a. boundary
 - b. inside
 - c. outside
 - d. front
- 11 Spherical mirror with reflecting surface curved is called concave mirror.
- a. outwards
 - b. inwards
 - c. backwards
 - d. none of the above
- 12 The centre of reflecting surface of a spherical mirror is known as.....
- a. Pole
 - b. Aperture
 - c. Axis
 - d. Curvature
- 13 Centre of curvature is denoted by letter
- a. c
 - b. C
 - c. o
 - d. none of the above
- 14 The radius of a sphere; of which the reflecting surface of a spherical mirror is a part; is called the.....
- a. centre of curvature
 - b. The radius of Curvature
 - c. Poled
 - d. Aperture
- 15 Spherical mirror with a reflecting surface curved is called a convex mirror.
- a. inwards
 - b. backwards
 - c. outwards
 - d. none of the above