Sub: Physical Science   **Class: 8**   **Date: 16.06.20**
Duration: 40 min   **Worksheet Solutions 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; coverage 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

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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

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