

DELHI PUBLIC SCHOOL JAMMU
SESSION-2025-26
MONTH-APRIL
ASSIGNMENT SHEET

CLASS-X
SUBJECT - PHYSICS

MARKS-16

1. _____ cannot change if a light travels from rarer to denser medium 1
- (a) Wavelength
(b) Frequency
(c) Velocity
(d) Density

Following question consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

- (e) Both A and R are true and R is the correct explanation of A.
(f) Both A and R are true but R is not the correct explanation of A.
(g) A is true but R is false.
(h) A is false but R is true.

2. Assertion : Light travels in a straight line 1
Reason : Light is a electromagnetic wave

3. Give two properties of light. 2

4. Define magnification and give its significance. 3

5. (a) What are Spherical mirrors ? Explain
(b) Explain the image formation by concave mirror when object is at F and between F & P. 5

6. An object of height 5cm is placed at a distance of 15cm away from a concave mirror of
of radius of curvature 10cm.

Answer the following questions:

- (a) What is the focal length of concave mirror? 1
- (b) What is the image distance for above condition? 2
- (c) Under what condition it forms erect and magnified image? 1

OR

- (d) Under what condition it forms real, inverted and same size image? 1