

HOME ASSIGNMENT

CLASS-VIIC(RANK UP)

SUBJECT : PHYSICS
CHAPTER NUMBER: 5
CHAPTER NAME : LIGHT ENERGY

CHANGING YOUR TOMORROW

Home Assignment

- 1 Image formed by mirrors are
(A) real only (B) virtual only (C) both real and virtual (D) neither real nor virtual
- 2 On refraction through a parallel faced glass slab the emergent ray is
(A) parallel to incident ray (B) displaced w.r.t. incident ray
(C) is not displaced w.r.t. incident ray (D) both (A) and (B)
- 3 If the angle of incidence is 50° , then calculate the angle between the incident ray and the reflected ray:
(A) 50° (B) 100° (C) 130° (D) 80°
- 4 The angle of refraction for a ray of light going from denser to rarer medium is less than angle of incidence –
(A) always (B) sometimes (C) under special conditions (D) never
- 5 Name the type of mirror used as a backview mirror.
(A) Plane mirror (B) Concave mirror (C) Convex mirror (D) Any of these

Home Assignment

- 6 In air all colours propagate
- | | |
|--------------------------------------|---|
| (A) with different speed | (B) nearly same speed |
| (C) with minimum speed of red colour | (D) with maximum speed of violet colour |

- 7 Match the following:

Column-I

- (A) The line joining the centre of curvature of the two surfaces of a lens
- (B) A ray of light, passing through it, does not change its path after refraction through a lens
- (C) Real, inverted image of the same size as the object
- (D) A virtual, erect and diminished image for all positions of the object

Column-II

- (p) Object at the $2F$ point
- (q) Concave lens
- (r) Principal axis
- (s) Optical centre

THANKING YOU
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