



## PHYSICS

# BOOKS - SANTRA PHYSICS (BENGALI ENGLISH)

## LIGHT

### Mcq

1. The focal-length of a spherical mirror of radius of curvature 20cm is

A. a) 5 cm

B. b) 10 cm

C. c) 20 cm

D. d) 40 cm

**Answer:**



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2. What will be the angle of incidence when a ray of light passes through the centre of curvature of a concave mirror?

A.  $45^\circ$

B.  $90^\circ$

C.  $0^\circ$

D.  $180^\circ$

**Answer:**



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**3. The speed of light in air is**

A. a)  $3 \times 10^8 \text{ cm / s}$

B. b)  $3 \times 10^8 \text{ mm} / \text{s}$

C. c)  $3 \times 10^8 \text{ km} / \text{s}$

D. d)  $3 \times 10^8 \text{ m} / \text{s}$

**Answer:**



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## Very Short Answer Type Questions

1. What is the unit of refractive index ?



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2. What colours make up white light ?



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## Short Answer Type Questions

1. Give two uses of concave mirrors.



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2. State the laws of refraction of light.



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3. Explain why a convex lens is called a converging lens.



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