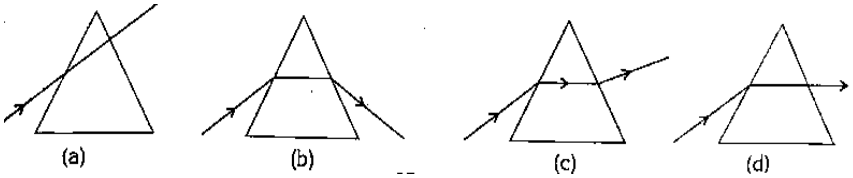
LOYOLA SCHOOL, BHUBANESWAR

Second Class Evaluation - November 2025

Class: VIII Subject: Physics F.M.= 20 Time: 40mins

1. Choose the correct answer:- [4]

(i)Which of the following correctly shows the bending of a single colour of light through a prism ?



(ii) Rainbow is formed due to

(a) reflection of light (c) refraction of light

(b) dispersion of light (d) scattering of light

(iii) When light rays move from rarer to denser medium

(a) angle i > angle r (c) angle i =angle r

(b) angle i < angle r (d) all of these

(iv) A ray of incident light parallel to the principal axis of a concave mirror is reflected back

(a) through the focus (c) along the same path

(b) through the centre of curvature (d) behind the mirror

2. Answer the following: -

(a) (i) Which colour of light has the least deviation- green or yellow?

(ii) Which colour has a greater speed – blue or green? **[2]**

(b) Give reasons why

(i) a concave mirror is used as a shaving mirror.

(ii) a convex mirror is used as a vigilance mirror **[2]**

(c) Define

(i) lateral displacement

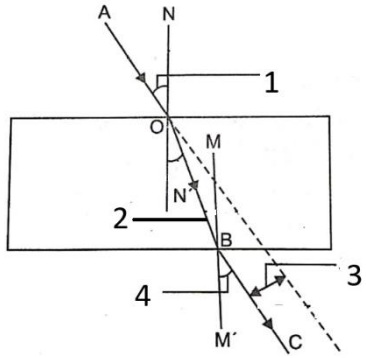
(ii) dispersion **[2]**

(d) Give one difference between

(i) the focus of a concave mirror and the focus of a convex mirror

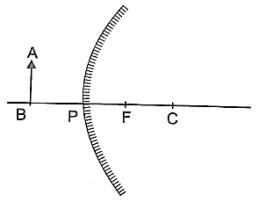
(ii) focal length and radius of curvature **[2]**

(e) Study the diagram and label 1,2,3 and 4. **[2]**

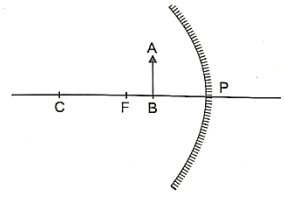


(f) Complete the ray diagram to show the image formation in the following cases. [3+3]

a)



b)



********** ALL THE BEST**********