

Std. 8 General Science

Marks : 20

Ch.9 Reflection of light

Duration : ½ hr.

Q1 Fill in the blanks [3 M]

1. Reflection from a rough surface is called -----reflection.
a) lateral b) regular c) irregular
2. The plane mirrors fixed in a periscope are -----to each other .
a) parallel b) perpendicular c) opposite
3. When light falls on a -----paint , it shines.
a) normal b) fluorescent c) plastic

Q2 State whether True or False [3 M]

1. The angle of reflection is always greater than angle of incidence.
2. If an object is placed between two plane mirrors, kept parallel to each other , an infinite number of images are obtained.
3. The working of a periscope and a kaleidoscope is based on the refraction of light.

Q3 Match the following [2M]

A	B
1. Image in the plane mirror	a. Fluorescent paint
2. Regular reflection	b. Smooth surface
3. Angle of incidence = 30°	c. As big as the object
4. A shiny image	d. Angle of reflection = 30° e. Periscope

Q4 Answer in one sentence [3M]

1. State any two characteristics of an image obtained in a plane mirror.
2. If the angle of incidence is 60° , what will be the angle of reflection?

3. How many times is an image in a plane mirror bigger or smaller than the object?

Q5 Give scientific reasons .(Any Two) [4 M]

1. Letters appear laterally inverted in a plane mirror.
2. Many images are obtained in a kaleidoscope.
3. The word AMBULANCE is written inverted on an ambulance.

Q6 Define the following terms. Any TWO [2 M]

1. Normal
2. Incident ray
3. Angle of reflection

Q7 With a neat labeled diagram , describe a simple experiment to demonstrate reflection of light. [3 M]
