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SCHOOL:STA

SUBJECT :PHYSICS.

CLASS: SS2.

EXERCISE/ ASSIGNMENT.

1. An object of height 20cm is located at a distance of 50cm from a pin hole camera.If the distance of the pin hole from the screen is 25cm, what is the height of the image?
- 2.The distance between the object and the pin hole of a pin hole camera is reduced by half. The size of the image of the object A.is halved B.remains the same C.is doubled D.is quadrupled.
3. Describe the construction and mode of action of a pin hole camera.What is the effect on the image produced by the camera when
 - (a) the diameter of the pin hole is increased.
 - (b) the object distance is doubled?
- 4.A man 2m tall stands 3m from a pin -hole camera. How is the image in the camera affected when he moves 1m closer to the camera.
- 5.Distinguish between regular and diffuse reflection.
- 6.(a) State the laws of reflection of light.
 - (b) A man is standing at a distance of 2m from a large plane mirror. He walks 1m farther away from the mirror. How far is his image now from him?