

3. The rays coming from an object converge to pass through it through the pinhole camera.

4. The size of the hole determines the sharpness of the image that means less the size of the hole, sharper the image will be and vice versa.

Q) Define

Q1) Ray of light - Light travelling in one direction and in a straight line is called a ray of light.

or beam of light - A group of light rays emitting from a given source is called beam of light.

Q) How can you obtain point source of light?

Ans) A point source of light can be obtained by placing a screen having a pinhole in front of the luminous body or by placing the luminous body inside a box and making a pinhole on one side of the box.

affect

Q) State two factors which affect the size of image formed.

Ans) Two factors which affect the size of the image?

→ The distance of the object in front of the pinhole.

→ The distance of the screen from the pinhole camera.

Q) Is the image obtained in a pin hole camera erect or inverted? Give reason.

Ans) The image obtained in a pin hole camera is inverted because the principle of pinhole camera is rectilinear propagation.

of light is the light travels in a straight line  
that's why it is inverted.