Q4 State the characteristics of image formed in pinhole camera.

Ans4 Characteristics of image formed in pinhole camera:

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1. The image in a pinhole camera is inverted as compared to the object.

2. The image formed in pinhole camera is real. (because it can be formed on screen)

3 The image in pinhole is of the same colour as the object.

Q5 Write 1 use of pinhole camera.

Ans5 A pinhole camera can be used to view solar eclipse. The sun shouldn't be seen directly during solar eclipse. When there is eclipse look at the sun through the pinhole camera. A part of sun's image on the screen gets gradually darker.

Q6 Explain why, we often see bright circular patches of light on the ground under a tree on a sunny day?

Ans6 Bright circular patches are seen on ground on a bright

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sunny day. The matter gaps between the leaves act as a pinhole. The ground acts as screen. When sunlight passes through the gaps between the leaves pin-hole images of the sun are seen on the ground as bright circular patches.

Q7. Differentiate between the images formed in a pinhole camera and a shadow:

Image formed in pinhole camera	Shadow
1. Image is inverted or upside down.	Shadow isn't inverted.
2. Image show the colour of object.	Shadow is always dark.
3. Image shows the detail of the object, though not very clearly.	It only shows the outline of the object.
4. Image formed by pinhole camera is smaller than object.	It can be bigger, smaller or of same size.

Mark 2/10