

## **16<sup>TH</sup>/4/2020 ANSWERS**

### **ACTIVITY 11 IN SIPRO**

1. An image is a light picture of an object formed by light rays.
2. A pinhole camera works on the principle that light travels in a straight line.
3. The small hole helps in the formation of brighter images.
4. The candle is the object so draw in the dotted area of a camera (see sipro pg 69).
- b. The images are inverted/diminished/real i.e. can be formed on the translucent screen.
- c. The size of the image becomes smaller.
5. Images are formed on the screen.
6. It is where images are formed.

COPY THESE NOTES about; OPTICAL INSTRUMENTS then fix it in your sipro btn pages 66-67.

Optical instruments are tools or instruments that use light to function properly.

Example of optical instruments include,

- \*Cameras; they are used by photographers to take pictures.
- \*Microscopes; they are used to observe very tiny objects which we can not see with our tiny eyes.
- \*Spectacles; they are used to see objects which are either near or far clearly.
- \*Magnifying glasses; used to make tiny objects to appear bigger.
- \*Telescopes and Binoculars; used to view distant objects by making them to appear nearer and larger.
- \*Projectors; used to form images on the screen/bright walls/clear cloths etc.
- \*Human eye; used to see objects around us.
- \*Lenses; used for correcting eye defects/disorders by refracting light rays.

At the moment, you can make diagrams of some optical instruments. Remember to ask dad the difference between an optician and oculist, and then the meaning of optics.