Chapter-2

Worksheet-2

Section 1

Q1. Define Light.

Q2. Differentiate between a luminous and non-luminous object.

Q3. What are different kinds of 'Beam of light'?

Q4. Differentiate between extended and point source of light.

Q5. Differentiate between Transparent, translucent and opaque objects.

Q6. What is the rectilinear propagation of light? Write its applications in real life.

Q7. What are shadows? How are they formed? What are the parts of a Shadow?

Q8. What is an Eclipse? Explain types of Eclipses with respect to earth.

Q9. What happens when we increase the size of hole in a pinhole camera?

Q10. How will be the shadow of an object when the size of source of light is larger than the object?

Section 2

Q11. A star is _____.

a) A Natural source of light.
b) An artificial source of light.
c) Is not a source of light.

d) Both a and b

Q12. Earth's moon is _____.

a) A Natural source of light.
b) An artificial source of light.
c) Is not a source of light.
d) Both a and b

Q13. A Beam of light consists of several _____.

a) Line of light
b) Rays of light
c) Point of light
d) Source of light

Q14. In a pinhole camera the image formed is _____

a) Laterally inverted image
b) Inverted image
c) Straight image
d) Point image

Q15. A complete umbra is formed when _____

a) Size of light source is greater than the object
b) Object is illuminated using an extended source of light
c) Object is illuminated using a point source of light
d) When there are 2 light sources illuminating the object.

Q16. The sequence of position of Earth, moon and Sun in order to get lunar eclipse is

a) Sun→ Earth → Moon
b) Earth → Moon → Sun
c) Earth → Sun → Moon
d) Sun→ Moon → Earth

Q17. the outer rim of the sun at time of Annular Solar Eclipse is called _____

a) Corona
b) Diamond Ring
c) Sun Ring
d) Both a and b

Q18. The sequence of position of Earth, moon and Sun in order to get Solar eclipse is

a) Sun→ Earth → Moon
b) Earth → Moon → Sun
c) Earth → Sun → Moon
d) Sun→ Moon → Earth

Q19. Partial solar eclipse occurs at the parts of the earth on which _____ of the moon lies.

a) Umbra
b) Penumbra
c) Face
d) Back

Q20. Size of the image will _____ with increasing distance of the screen from pin-hole

a) increase
b) decrease
c) remains constant
d) First increase then decrease