

**Chapter- Motion and Measurements**

**Light, shadows and Reflections**

**Multiple choice questions-**

Q1. What does SI unit stands for-

- a) Standard unit    b) International systems of unit    c) none

Q2. SI unit of length is-

- a) Metre                    b) litre                    c) second

Q3. Which among the object has oscillatory motion-

- a) Pendulum            b) fan                    c) stone dropped from a height

Q4. Among the given motions which motion will not be possessed by

Revolution of earth around the sun-

- a) Periodic motion    b) circular motion    c) rectilinear motion

Q5. 1km = \_\_\_\_\_m

- a) 10,000m    b) 1000m            c) 100m

Q6. Every measurement has –

- a) A number and a unit    b) only unit    c) only number

Q7. Convert 6340m into km

- a) 634 km    b) 63.40km            c) 6.340km

Q8. Translatory motion is-

- a) Rectilinear + curvilinear motion    b) circular motion  
b) curvilinear + rectilinear motion

Q9. The motion of the arms of the soldiers in a March past-

- a) Circular    b) oscillatory    c) periodic

Q10. The oldest methods of measurements were not used now

Because-

- a) No uniformity
- b) of accuracy
- c) none

Q11. The umbra of a shadow –

- a) Receives no Light
- b) Receives light
- c) Receives light from the top

Q12. Which is the natural luminous body-

- a) Planet
- b) moon
- c) sun

Q13. What happens to the shadow if the distance between the light

Light source and the object increases-

- a) Shadow will be of same size
- b) Shadow becomes smaller
- c) Shadow becomes bigger

Q14. A pinhole camera is a camera-

- a) With lens
- b) without lens
- c) none

Q15. Name two metals used in mirrors-

- a) Silver/iron
- b) Aluminum/copper
- c) silver/ Aluminum

Q16. Light travels in a \_\_\_\_\_path-

- a) Straight path
- b) curved path
- c) circular path

Q17. The image formed by a pinhole camera is inverted because-

- a) Of reflection
- b) of property of light
- c) of shadow

Q18. The objects which allow the light to pass through them partially-

- a) Transparent
- b) opaque
- c) translucent

Q19. Law of reflection is-

- a) Angle of incidence(i) =Angle of reflection(r)
- b) Angle of incidence (i) <Angle of reflection (r)
- c) Angle of incidence (i) is not equal to Angle of reflection (r)

Q20. Speed of light is-

- a) 2 lakhs m/s
- b) 4 lakhs m/s
- c) 3 lakhs m/s

## **Projectwork-**

Draw a pinhole camera using cardboards of old copies tracing paper.