

Chapter-5

Worksheet-1

Section 1

Q1. Define Light. Why do we say Light travels in a straight line?

Q2. What is reflection?

Q3. State law of reflection.

Q4. State the characteristics of the image formed in a mirror.

Q5. Why spherical mirrors are called so? Explain each type of spherical mirror.

Q6. Differentiate between Real Image and Virtual Image.

Q7. What are the applications of concave mirrors in real life?

Q8. Explain the term 'Refraction'. How it is different from Reflection?

Q9. List 2 most important type of lenses. Explain each of them in brief.

Q10. What is a light Prism? How does it work?

Section 2

Q11. The path of the light is

- a) Always a Straight line
- b) A curved line
- c) A 'wavy' Line
- d) Depends on the medium

Q12. Which one shows lateral inversion?

- a) Plane Mirror
- b) Convex mirror
- c) Concave Mirror
- d) All of these

Q13. Image formed by a plane mirror is

- a) virtual and erect
- b) real and erect
- c) virtual and inverted
- d) real and inverted

Q14. Which of the following can be used to form a real image?

- a) Concave mirror only
- b) Plane mirror only
- c) Convex mirror only
- d) Both concave and convex mirrors

Q15. If an object is placed at a distance of 0.8 m in front of a plane mirror, the distance between the object and the image formed by the mirror will be

- a) 1 m
- b) 1.2 m
- c) 0.8 m
- d) 1.6 m

Q16. You are provided with a concave mirror, a convex mirror, a concave lens and a convex lens. To obtain an enlarged image of an object you can use either

- a) concave mirror or convex mirror
- b) concave mirror or convex lens
- c) concave mirror or concave lens
- d) concave lens or convex lens

Q17. Changing of right side to left is called

- a) Inversion
- b) Erection
- c) Lateral Inversion
- d) Virtualization

Q18. The inner surface of the reflector of a torch acts as a _____ mirror.

- a) Concave
- b) Convex
- c) Plane
- d) Bi-convex

Q19. The image which can be caught on the screen is

- a) Real image
- b) Virtual Image
- c) Shadow
- d) Impression

Q20. Type of mirror that is used as the rear view mirror of the cars is

- a) Concave mirror
- b) Convex Mirror
- c) Plane Mirror
- d) Plano concave mirror

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