
	Selvam College Of Technology, Namakkal (Autonomous) IT Support & Development Training Programme (ISDTP)		
Worksheet -3 (Light (Part 2))			
Bundle & Subject Name	Advanced Bundle V2 (2025) – Competitive Exams Training SC (Level – 2)	Semester	VI

Answer Key (10*1=10)

1. Which type of natural lens present in human eye? (RRB JE 2019)
- A) Concave B) Bifocal
 C) Convex D) Progressive

Ans: C) Convex

2. A plane mirror always forms an image is _____. (SSC MTS 2019)
- A) Real and inverted B) Virtual and upright
 C) Real and upright D) Virtual and inverted

Ans: B) Virtual and upright

3. What type of mirror is commonly used in car rearview mirrors?
- A) Concave mirror B) Convex mirror
 C) Plane mirror D) Spherical mirror

Ans: B) Convex mirror

4. Which of the following is called the Lens formula?
- A) $1/f=1/v*u$ B) $1/f=1/v+u$
 C) $1/f=1/v-1/u$ D) $1/f=1/v/u$

Ans: C) $1/f=1/v-1/u$

5. The SI unit of power of lens is _____.(SSC MTS 2019)
- A) KWh B) Joule
 C) Dioptre D) Watt

Ans: C) Dioptre

6. The image formed by a concave mirror when the object is at infinity is _____. (DFCCIL 2021)
- A) Virtual and erect B) Real and inverted
 B) Real and erect D) Virtual and inverted

Ans: B) Real and inverted

7. The position of image formed by a concave mirror when the object is placed between C and F is _____.
- A) Beyond C B) At focus F
 C) At infinity D) At C

Ans: A) Beyond C

8. Which of the following lens always forms a virtual, erect and diminished image? (SSC JE 2018)
- A) Convex B) Spherical
 C) Plane D) Concave

Ans: D) Concave

9. Where will the image be formed if an object is placed at the focus (F) of a concave mirror?
- A) At the focus B) At infinity
 C) At the center of curvature D) Behind the mirror

Ans: B) At infinity

10. When an object is placed at the center of curvature (2F) of a convex lens, what will be the nature and size of the image formed?
- A) Enlarged B) Same
 C) Small D) Diminished

Ans: B) Same