

## Chapter No. 10

- The light emitted from light emitting diode (L.E.D) has a wavelength  
a.  $1.2 \mu\text{m}$                       b.  $1.3 \mu\text{m}$                       c.  $1.4 \mu\text{m}$                       d.  $1.5 \mu\text{m}$
- The magnifying power of telescope is  
a.  $f_o/f_e$                       b.  $f_e/f_o$                       c.  $f_o f_e$                       d.  $1/f_o f_e$
- If a single convex lens is placed close to eye, then it is being used as:  
(A) Telescope                      (B) Microscope                      (C) Magnifying glass                      (D) None of these
- The image formed by simple microscope is:  
(A) Real and inverted                      (B) Erect and virtual                      (C) Real and erect                      (D) Inverted and virtual
- In the newer systems of fiber optics, signals are regenerated by placing repeaters, which may be separated by as much as:  
(A) 30 km                      (B) 50 km                      (C) 100 km                      (D) 500 km
- Magnifying power of astronomical telescope is:  
(A)  $\frac{f_o}{f_e}$                       (B)  $\frac{f_e}{f_o}$                       (C)  $\frac{1+d}{f_o}$                       (D)  $\frac{1+d}{f_e}$
- Optical fibre is covered for protection by  
(A) a glass jacket                      (B) a plastic jacket                      (C) copper jacket                      (D) aluminium jacket
- If magnifying power of lens is 3 then, its focal length  
(A) 25 cm                      (B) 12.5 cm                      (C) 5 cm                      (D) 3 cm