











- a) decreases  
b) increases  
c) does not change  
d) first increases then decreases

**39. A magnifying glass forms:**

- a) a real and diminished image  
b) a real and magnified image  
c) a virtual and magnified image  
d) a virtual and diminished image

**40. A simple microscope is made of \_\_\_\_\_ lens.**

- a) Concave  
b) Convex  
c) Any of (a) or (b)  
d) None of these

**41. What is the least distance of distinct vision for human?**

- a) 15 cm  
b) 20 cm  
c) 25 cm  
d) 10 cm

**42. Magnification power(m) of a simple microscope is given by (D = Least distance of distinct vision and F = Focal length of the lens)**

- a)  $m = 1 - DF$   
b)  $m = 1 + D/F$   
c)  $m = DF - 1$   
d)  $m = 1 + F$

**43. What type lens is used for a person suffering from long sightness?**

- a) Concave lens  
b) Convex lens  
c) Cylindrical lens  
d) None of these

**44. What type lens is used for a person suffering from short sightness?**

- a) Concave lens  
b) Convex lens  
c) Cylindrical lens  
d) None of these

**45. For a people whose both long and short sight ness have, which type of lens is used for distinct vision?**

- a) Concave lens  
b) Convex lens  
c) Cylindrical lens  
d) Bifocal lens

**46. In the collimator of a spectroscope which type of lens is used?**

- a) Concave lens  
b) Convex lens  
c) Cylindrical lens  
d) None of these

**47. A Galilean telescope uses \_\_\_\_\_ lens.**

- a) Concave lens  
b) Convex lens  
c) Cylindrical lens  
d) None of these

48. A full length image of a distant tall building can definitely be seen by using?
- a concave mirror
  - a plane mirror
  - a convex mirror
  - both concave as well as plane mirror
49. Kerosene, orange juice, mustard oil and water are given to you. In which of these media would a ray of light incident obliquely at the same angle bend the most?
- Kerosene
  - Orange juice
  - Mustard oil
  - Water
50. When you keep a Lens near a printed page, the letters appear magnified. This is a
- Concave lens
  - Convex lens
  - Complex lens
  - None of these
51. If you are looking a distant object through a lens X, an upright image is seen. Can you say what type of lens is it?
- Concave lens
  - Convex lens
  - Can't say
  - None of these
52. The maximum magnifying power of convex lens of focal length 5 cm can be
- 25
  - 10
  - 1
  - 6
53. A magnifying glass forms
- A real and diminished image
  - A real and magnified image
  - A virtual and magnified image
  - A virtual and diminished image