

7. Human Eye and Colorful World

1. The value of least distance of distinct vision is about ____.
2. The distance between the eye lens and retina is about ____.
3. The maximum focal length of the eye lens is about ____.
4. Myopia can be corrected by using ____ lens.
5. Hypermetropia can be corrected by using ____ lens.
6. Angle of vision for a healthy human is ____.
7. The process of adjusting focal length is called ____.
8. ____ explained the phenomenon of scattering of light in gases and liquids.
9. The human eye forms the image of an object ____.
10. The splitting of white light into different color ____ is called ____.
11. The value of least distance of distinct vision is about? ()
a) 2.5cm b) 25cm c) 100cm d) 2.277cm
12. The distance between the eye lens and retina is about ()
a) 2.5cm b) 25cm c) 2.27cm d) 2cm
13. Change in the focal length of the eye lens is due to ()
a) Iris b) Cornea c) Ciliary Muscles d) Cones
14. Myopia can be corrected by using ____ lens. ()
a) Biconvex b) Bi Concave c) Plano Convex d) Plano Concave
15. Hypermetropia can be corrected by using ____ lens. ()
a) Bi convex b) Bi concave c) Plano Convex d) Plano Concave
16. The splitting of white light into different colors is called ()
a) Deviation b) Dispersion c) Scattering d) Refraction
17. The process of reemission of absorbed light in all directions with different intensities by atom or molecule is called ____ of light? ()
a) Scattering b) Dispersion c) Reflection d) Refraction

18. ____ is the essential part of the eye act as a sensitive screen? ()
a) Cornea b) Pupil c) Iris d) Retina
19. ____ can relax and contract, there by adjusting the size of an aperture ()
a) Iris b) Pupil c) Yellow Spot d) Blind Spot
20. The reason for the blue color of sky is due to the molecules of ____ and ____.
()
a) H_2O , CO_2 b) N_2 , O_2 c) O_2 , CO_2 d) H_2 , O_2

Answers

- 1) 25 cm's 2) 2.5 cm's
3) 2.27 cm's 4) Biconcave
5) Biconvex 6) 600
7) Accommodation 8) Sir. C.V. Raman
9) Retina 10) VIBGYOR, Dispersion.
11) b 12) a
13) c 14) b
15) a 16) b
17) a 18) d
19) b 20) b.