

OE Protocol

Date: 25 April,2017

1. How OE help in real life?
2. How many optical systems do you know?
3. Which one you want to choose?
4. Draw the diagram of human eye.
5. What is diameter of eye ball?
6. What is the function of Cornea, retina in terms of optics?
7. What is the resolution of eye?
8. What do you mean by the term resolution?
9. Write the equation.
10. How you find the unit in arc minute?
11. What is airy disc?
12. What is PSF?
13. Which part act as numerical aperture?
14. How numerical aperture relates with resolution?
15. What is the focal length of Human eye?
16. What is the power of your eye glass?
17. Why it is negative? Explain with figure.
18. Assume you want to make your far focal length in 100 cm. what is the power of eye glass?
19. Do you have any friends in your class with Hyperopia? How you can solve the problem?
20. What is aberration? How you can solve it?
21. Mention some monochromatic aberration?
22. Which color has more focal length? Why?
23. How color can be detected by spectrometer?
24. Do you have any camera? How we can control the depth focus?
25. What type of glass need for Your father after 50 years?
26. Why 2 diopter changes after this age ?
27. What happens to crystalline lens?