

Opto 495
Low Vision Study Guide

Lecture 1

1. Difference between Impairment, disability and handicap.
2. WHO definition for Low vision & Blindness.
3. Classification of visual impairment according to WHO.
4. Causes of visual impairment in children.
5. Causes of visual impairment in adults.

Lecture 2

6. Magnification *** You should know everything about magnification
7. Def.
8. Types
9. Methods
10. Advantages & disadvantages of each type.
11. Distance and near mag.
12. Problem set:
13. How to find RDM?
14. At which distance the patient should hold the material?
15. Working distance?

Lecture 3 & 4

16. Telescope: Types, characteristics of each one, Different telescopic design, uses of each one, advantages & disadvantages.
17. How to find objective, eyepiece, tube length, and magnification.
18. Field expansion aids.

Lecture 5

19. Problems of optical system.
20. Examples of Non optical aids.
21. Mobility training and variable that affect it.
22. Behavior observed during mobility training.
23. Visual and non-visual aids that used for mobility.

Lecture 6

24. Low vision examination.
25. What are you looking for during General observation?
26. Questions to ask during case history.
27. Conditions that lead to central and peripheral field defect with the treatment.
28. Best distance to take distance and near VA
29. Distance and near charts.
30. Snellen Equivalent?
31. The effect of WD on the add power
32. Contrast sensitivity, and what you do if it is low.

Lecture 7

- 33. Telescopic testing
- 34. Distance magnification, and achieved VA calculation.
- 35. Near magnification methods and calculation.
- 36. Near magnification through telescope calculation.
- 37. Binocularity.

Good Luck
Shatha

