First Year Master of Optometry Degree Examination – October 2016

LOW VISION AND REHABILITATION

Time: 3 Hours   **Total Marks: 80**

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay   **(20)**

1. A 50 years old female with severe arthritis, diagnosed as having ARMD came in to your clinic. She was a librarian and she was unable to do her job. Her chief complaints were difficulty in reading; difficulty with her financial management, difficulty in viewing television; and mobility difficulties. She had experienced a progressive decrease in vision over the last four years, noticing greater problems in the last 12 months. Answer the following:

   •Enumerate your low vision evaluation   for this patient

   •What interventions would you like to recommend for this case.

   •Your detailed rehabilitation plan for this patient

Short Essays   **(6x10=60)**

2. Compare between stand magnifier and hand magnifier. An emmetropic patient is looking through both a +2.50 D bifocal and +10.00D hand held magnifier to read the newspaper. What is the equivalent power when the magnifier is held 10 cm from the bifocal   (6+4=10)

3. Explain retinitis pigmentosa and its low vision management   (5+5=10)

4. Explain the importance of setting up low vision care services in the developing world. What are the essential requirements for successful low vision care.   (5+5=10)

5. Describe the importance of lighting in low vision care. Give a brief account on the uses of filters in low vision practice and add a note on refraction in low vision patients.

                                                                         (5+2+3=10)

6. Enumerate the different assistive devices available for persons with visual impairment.

                                                                         (10)

7. Explain in detail about following field enhancement devices-   (5+5=10)

       •Fresnel prism   •Reverse telescopes

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