

QP CODE: 102388

Reg No:.....

First Year Master of Optometry Degree Examination – December 2015

LOW VISION AND REHABILITATION

Time: 3 Hours

Total Marks: 80

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(20)

1. A 31 years old male diagnosed as having macular scar in both the eyes came in to your clinic for low vision work up. He was a software engineer and he was complaining of difficulty in recognizing faces, difficulty in reading and working. On examination, his visual acuity was found, OD: 6/120, N36 and OS: 6/60, N24 and there was no significant refractive error as such. How would you proceed this case and describe the low vision management including rehabilitation and counseling.

Short Essays

(6x10=60)

2. Describe briefly about the functional classification of low vision based on field defects and their low vision management. Explain about contrast sensitivity function (CSF) and its importance in low vision care. (5+5=10)

3. Explain in detail about the instructions to be given for the use of telescopic system. How to determine the required magnification for a telescopic system. What is relative size magnification. (3+4+3=10)

4. Describe in detail about tele microscope system. What is the equivalent power of focusable telescope composed of a -50.00 D ocular and +25 D objective focused for 20 cm. (5+5=10)

5. What is kestenbaum's rule. Mention the options available for hand magnifiers. What are the relative advantages and disadvantages of hand magnifier. (2+4+4=10)

6. "Explain in detail about hand writing , written communication and other modern non optical devices.

7. Explain albinism under following headings- (2+5+3=10)

- Etiology
- Ocular signs, symptoms and types
- Low vision management (5+5=10)
