

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

OPHTHALMOLOGY MODULE III EXAMINATION – APRIL, 2015

Date : 23rd April 2015

Time: 1.30 p.m. – 3.30 p.m.

ESSAY PAPER

Answer all questions.

Answer each question in a separate book.

1.
 - 1.1 Briefly describe the optics of optical coherence tomography. (60%)
 - 1.2 Discuss the indications of therapeutic contact lenses. (40%)

2.
 - 2.1 Explain what astigmatism is with the help of ray diagrams. (30%)
 - 2.2 Describe the different types of astigmatism. (30%)
 - 2.3 Give a short account of the methods available to correct astigmatism and briefly outline the advantages and disadvantages of each method. (40%)

3.
 - 3.1 Give a brief description on materials used in manufacturing spectacle lenses including advantages of each. (60%)
 - 3.2 Briefly discuss the use of bifocals in children. (40%)

4. Write short notes on -
 - 4.1 Accommodative insufficiency. (30%)
 - 4.2 Cross cylinder. (40%)
 - 4.3 Diffraction. (30%)