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**B.Sc. (Hons.) IN OPTOMETRY AND
OPHTHALMIC TECHNIQUES
(BSCHOT)**

Term-End Examination

December, 2014

BOS-004 : BASIC OCCULAR SCIENCES

Time : 3 hours

Maximum Marks : 70

Note : Part A Answer any five - each 8 marks.

Part B Answer any six - each 5 marks.

PART - A

1. Describe with diagrams the anatomy of the choroid. Mention the boundaries of the Posterior Chamber of eyeball. 8
2. Describe the structures of angle of anterior chamber and functions of aqueous humour. Describe the factors affecting Intra-Ocular Pressure (IOP) of the eye. 8
3. Describe the anatomy of visual pathway with diagrams. Describe clinical features of papillitis. 8
4. Describe the tests for Binocular Single Vision (BSV). 8
5. Describe the pathological changes in angle of anterior chamber in open angle glaucoma. Describe the optic disc changes in glaucoma. 8

6. Describe the anatomy of retina with diagrams. 8
Describe the fundus changes in Background Diabetic Retinopathy.
7. Describe the anatomy of the Lacrimal System. 8
Describe the clinical features and treatment of acute dacryocystitis.
8. Describe the mechanism of action, routes of administration, indications and complications of steroids used for ocular disorders. 8

PART - B

9. Write short notes on **any six** of the following. Each carries 5 marks. **5x6=30**
- (a) Perimetry
 - (b) Visual Acuity
 - (c) Carbonic Anhydrase Inhibitors for glaucoma
 - (d) Superior orbital fissure
 - (e) Electro Oculo Gram (EOG)
 - (f) Ishihara chart for colour vision testing Light Reflex
 - (g) Orbital Rhabdomyosarcoma
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