



Avinashilingam Institute for Home Science and Higher Education for women
Coimbatore -641043
Continuous Internal Assessment II APRIL-2025
II Semester

Class: I UG
Branch : Optometry

Time: 2 Hours
Max Marks: 60

22BOPC07-Ocular Anatomy

Course Outcomes:

- CO1: To investigate the growth of human eye.
CO2: To apprehend the anatomy of orbit.
CO3: To analyze the anatomy of cornea and the anterior segment of eye.
CO4: To look into the anatomy of posterior segment of the eye.
CO5: To observe the anatomy of conjunctiva and lacrimal apparatus.

Part A

6 × 1= 6

Choose the Correct Answer

1. Which type of conjunctiva lines the inner surface of the eyelids? **CO3K1**
a) Bulbar conjunctiva b) Fornix conjunctiva c) Palpebral conjunctiva d) Limbal conjunctiva
2. Which layer of the cornea contributes most to its thickness? **CO4K1**
a) Epithelium b) Bowman's layer c) Stroma d) Endothelium
3. The oldest lens fibers are located in the: **CO4K2**
a) Capsule b) Cortex c) Nucleus d) Anterior epithelium
4. Schwalbe's line marks the termination of: **CO4K2**
a) Bowman's layer b) Descemet's membrane c) stroma d) Endothelium
5. The outermost layer of the sclera is the: **CO4K1**
a) Lamina fusca b) Sclera proper c) Episclera d) Choroid
6. Nasal fibers from the retina cross at the: **CO5K1**
a) Optic chiasm b) Lateral geniculate body c) Optic radiations d) Visual cortex

Part B

3× 6= 18

Answer ALL the questions

Each answer should not exceed 400 words or two pages

- 7.A. Describe the corneal layers, blood & nerve supply with a neat labelled diagram. **CO4K1**
- 7.B. Explain structure of lens with a diagram. **CO4K2**
- 8.A. Enumerate Conjunctival structure and Glands. **CO3K1**
- 8.B. Explain the drainage of Aqueous Humour with a flowchart. **CO4K2**
- 9.A. Explain Anterior chamber angle with neat diagram. **CO4K2**
- 9.B. Describe Optic nerve and its parts. **CO5K1**

Part C

3× 12= 36

Answer ALL the questions

Each answer should not exceed 400 words or two pages

- 10.A. Explain the uveal tract with a neat diagram. **CO4K2**
- 10.B. Elaborate on Sclera, Sclera proper, Lamina fusca. **CO5K4**
- 11.A. Explain visual pathway with a neat diagram. **CO5K2**
- 11.B. Describe the anatomical structure and composition of the vitreous humour, including its various regions, components, and cellular elements. **CO5K1**
- 12.A. Explain in detail microscopic structure of retina with a neat diagram. **CO5K2**
- 12.B. Enumerate a note on Gross anatomy of extraocular muscles. **CO5K1**

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Staff incharge: Nandhini G