

OCULAR ANATOMY AND PHYSIOLOGY**Time: 3 hrs****Max marks: 80**

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 207013 Section A – Ocular Anatomy**Marks: 40****Essay: (15)**

1. Describe the structures in the angle of anterior chamber. Explain aqueous outflow.

Short notes: (2x5=10)

2. Layers of retina
3. Draw the lacrimal apparatus and label the parts

Answer briefly: (5x2=10)

4. Optic nerve
5. Corneal transparency
6. Development of eyeball
7. Ciliary body
8. Bony orbit

One word answer: (5x1=5)

9. The innermost layer of cornea is -----.
10. The axial length of emmetropic eye is -----.
11. The iris is thinnest at its -----.
12. The facial nerve supplies-----muscle.
13. The extra ocular muscle which elevates the lid is -----.

Q P Code: 208013 Section B – Ocular Physiology**Marks: 40****Essay: (15)**

1. Define binocular single vision. List the grades of BSV. Discuss the stages of BSV using synaptophore.

Short notes: (2x5=10)

2. Photochemical changes in retina
3. Tests for color vision

Answer briefly: (5x2=10)

4. Receptive field
5. Functions of tear film
6. Aqueous formation
7. Dark adaptation
8. Vergences

One word answer: (5x1=5)

9. The basal tear secretion is the function of -----glands.
10. The cellular components of corneal stroma are called -----.
11. The photoreceptors responsible for scotopic vision are -----.
12. The first order neurons in the retina are -----.
13. The facility of aqueous outflow is measured by -----.