

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

- Answer all questions
- Write section A and section B in separate answer books(32 Pages).
Do not mix up questions from section A and section B.

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

1. Draw a neat labeled diagram of the section of the eye ball, briefly explaining the chambers, its boundaries and contents.

Short notes: (2x5=10)

2. Recti muscles of eye ball
3. Microscopic structure of retina

Answer briefly: (5x2=10)

4. Ophthalmic artery
5. Optic chiasma
6. Glands in eyelid
7. Functional areas of vision
8. Levator palpebrae superioris muscle

One word answer: (5x1=5)

9. Lens develops from
10. Lining epithelium of cornea is
11. Nerve supplying superior oblique muscle of eye ball is.....
12. Optic canal transmits and
13. Optic nerve arises as axons of cells

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

1. Explain the visual pathway. With the help of a diagram, mention the defects in the field of vision when lesion occurs at different parts of this pathway.

Short notes: (2x5=10)

2. Common errors of Refraction and their correction
3. Color blindness

Answer briefly: (5x2=10)

4. Dark adaptation
5. Maintenance of corneal transparency
6. Lacrimal pump mechanism
7. Diplopia
8. Accommodation reflex

One word answer: (5x1=5)

9. Aqueous humor is reabsorbed through a network of trabeculae into the-----
10. Outer blood retinal barrier is a function of".
11. The common condition where the curvature of the cornea is not uniform and produces blurred image on retina is -----
12. Vitamin A deficiency leads to visual defect called -----
13. Blind spot in visual field corresponds to