

**DIPLOMA IN OPHTHALMIC NURSING ASSISTANT/  
DIPLOMA IN OPHTHALMIC ASSISTANT**

**FIRST YEAR**

**PAPER I – OCULAR ANATOMY, OCULAR PHYSIOLOGY, OCULAR  
PHARMACOLOGY & MICROBIOLOGY**

*Q.P. Code: 841631*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the anatomy of retina with diagram.
2. Describe the pathway of aqueous flow.
3. Describe intra ocular pressure, how it is maintained and the instruments used for measuring IOP?

**II. Write notes on:**

**(10 x 5 = 50)**

1. What is the rationale of Snellen's chart? How do you measure visual acuity in a child?
2. What is tonometry? Name the instruments used for tonometry.
3. Origin, insertion and nerve supply of Levator Palpebrae Superioris.
4. Layers of retina.
5. How corneal transparency is maintained?
6. Describe the pathway of tear flow.
7. EOG.
8. VEP.
9. Describe the technique of Gram's staining.
10. Disinfectants used in ophthalmology.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Write down the layers of tear film.
2. Topical Anti-viral ointment.
3. Diabetes Mellitus.
4. Anatomy of lens.
5. Name two vital stains.
6. Palpebral Fissure.
7. How prostaglandin-analogues reduce IOP?
8. Function of 2<sup>nd</sup>. Cranial nerve.
9. Name two anti-fungal drugs.
10. What is Bacteriostatic and Bacteriacidal antibiotic?

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