

[LI 0216]

FEBRUARY 2016  
DIPLOMA IN OPHTHALMIC NURSING ASSISTANT  
(New Syllabus 2014-2015)

Sub. Code: 1631

FIRST YEAR

PAPER I – OCULAR ANATOMY, OCULAR PHYSIOLOGY, OCULAR  
PHARMACOLOGY AND MICROBIOLOGY

*Q.P. Code : 841631*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Layers of Cornea and factors responsible for corneal transparency.
2. Extra ocular muscles-origin, insertion, nerve supply and actions.
3. Define Mydriatics and Cycloplegics. Write notes on mydriatic and cycloplegic agents with regard to mechanism of action, dosage, indications, contraindications and adverse effects.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Classify anti-glaucoma medication.
2. Anatomy of eyelid with diagram.
3. Draw the structure of eyeball and name its parts.
4. Draw and name parts of visual pathway.
5. Pilocarpine.
6. Name the layers of the retina.
7. Formation of aqueous humour.
8. Explain gram staining and its applications.
9. Give the importance of antibiotic sensitivity test.
10. Different culture media in Microbiology.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Viral infections of the eye.
2. Name two liquid culture media.
3. What are gram negative bacilli?
4. Name the muscles of iris and their actions.
5. Autoclave.
6. Blood supply of eye.
7. Acid fast bacilli.
8. Mention the grades of BSV.
9. Schirmers test.
10. Name the layers of tear film.

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