

[LC 0212]

FEBRUARY 2013

Sub. Code: 1501

**DIPLOMA IN OPTOMETRY TECHNOLOGY**

**FIRST YEAR**

**PAPER I – OCULAR ANATOMY & PHYSIOLOGY**

*Q.P. Code : 841501*

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions .**

**I. Elaborate on:**

**(3x10=30)**

1. Anatomy of upper eye lid.
2. Physiology of binocular single vision.
3. Actions of Extra ocular muscles.

**II. Write Notes on:**

**(10x5=50)**

1. Electro retinogram.
2. Factors responsible for corneal transparency.
3. Anatomy of lacrimal drainage system.
4. Anatomy of optic nerve.
5. Circulation of aqueous humour.
6. Structure of sclera.
7. Range of accommodation.
8. Functions of tears.
9. Types of pupillary reflexes.
10. Physiology of dark adaptaion.

**III. Short Answers on:**

**(10x2=20)**

1. Boundaries of anterior chamber.
2. Situation and nerve supply of sphincter pupillae muscle.
3. Anatomy of macula lutea.
4. Parts of conjunctiva.
5. Insertions of recti muscles.
6. Hering's theory of colour vision.
7. Factors responsible for transparency of lens.
8. Name the accessory lacrimal glands.
9. What is rhodopsin?
10. Origin , insertion and action of Muller's muscle.

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