

[LI 0216]

FEBRUARY 2016

Sub. Code: 1501

**DIPLOMA IN OPTOMETRY TECHNOLOGY**

**FIRST YEAR**

**PAPER I – OCULAR ANATOMY AND PHYSIOLOGY**

*Q.P. Code : 841501*

**Time: 3 Hours**

**Maximum: 100 Marks**

**Answer all Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the visual pathway.
2. How corneal transparency is maintained?
3. What are the extra ocular muscles? Write the nerve supply and the action of each muscle

**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 color vision and how is color vision assessed?
3. What is accommodation?
4. What are the layers of cornea?
5. Oculomotornerve and the muscles innervated by it.
6. What is tonometry? Name the instruments used for tonometry.
7. Lacrimal passage.
8. Role of vitamin A in eye.
9. Tear film.
10. VEP.

**III. Short answers on:**

**(10 x 2 = 20)**

1. BSV.
2. Draw optic nerve head.
3. Anatomy of lens.
4. Pupil.
5. Choroid.
6. Ciliary body.
7. Canaliculi.
8. Lacrimal gland.
9. Anatomy of conjunctiva.
10. Tear film.

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