

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[AHS 0424]**

**APRIL 2024**

**Sub. Code: 2732**

**B.OPTOM**

**FIRST YEAR (Regulation 2018-2019 onwards)**

**PAPER II - OCULAR ANATOMY AND OCULAR PHYSIOLOGY**

***Q.P. Code: 802732***

**Time: Three Hours**

**Answer All questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 X 10 = 30)**

1. Explain the Anatomy of Lacrimal Apparatus. Add a note on applied anatomy.
2. Describe the anatomy of Third Cranial Nerve.
3. Describe Wald's Visual Cycle.

**II. Write notes on:**

**(8 X 5 = 40)**

1. Composition of Aqueous humour.
2. Visually Evoked Response (VER).
3. Structure of choroid and its blood supply.
4. Entoptic phenomenon.
5. Rectus muscles – origin and insertion.
6. Draw and name the layers of Retina.
7. Sherrington's law of reciprocal innervations. Explain with example.
8. Apex of orbit.

**III. Short answers on:**

**(10 X 3 = 30)**

1. Presbyopia.
2. Various types of Vergence.
3. Panum's space.
4. Glands of the Eyelids.
5. Suspensory ligaments of lens.
6. Structures passing through superior orbital fissure.
7. Schirmer's Test.
8. Grades of binocular vision.
9. Blood supply of Lateral Geniculate body.
10. Horner's syndrome.

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