

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

**[AHS 0122]**

**JANUARY 2022**

**Sub. Code: 1631**

**(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)**

**DIPLOMA IN OPHTHALMIC NURSING ASSISTANT/**

**DIPLOMA IN OPHTHALMIC ASSISTANT**

**FIRST YEAR (Regulation 2014-2015 & 2017-2018)**

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

***Q.P. Code : 841631***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Routes of drug administration in Ophthalmology.
2. Anatomy of Lacrimal apparatus with diagram.
3. Dynamics of aqueous out flow.

**II. Write notes on:**

**(10 x 5 = 50)**

1. ETO sterilization.
2. Name the intraocular muscles and their actions.
3. What is cycloplegic and what is mydriatic?
4. Layers of tear film.
5. Colour vision.
6. Transparency of cornea.
7. Name the layers of retina.
8. Name the different culture media used in microbiology.
9. Accommodation.
10. Prostaglandin Analogues.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Vital stains.
2. Parts of ciliary body.
3. Intra-ocular tension.
4. Name two NSAID.
5. Contraindication of Timolol.
6. Name two antiviral drugs.
7. Use of Formalin.
8. Name two anti-allergic drugs.
9. Grades of Binocular Single Vision (BSV).
10. Name two lubricating drops.

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