

**FURTHER DETAILS REGARDING MAIN TOPICS OF
PROGRAMME No. 02/2020(Item No.17)**

**ASSISTANT PROFESSOR IN OPHTHALMOLOGY
MEDICAL EDUCATION**

(Category No.81/2019)

Anatomy and Physiology

- Embryology and Anatomy
- Physiology of the Eye
- The Physiology of Vision
- The Neurology of Vision

Ophthalmic Optics

- Elementary Optics
- Elementary Physiological Optics
- Refraction
- Refractive Errors of the Eye

Ocular Examination Techniques and Ocular Therapeutics

- Ocular Symptomatology
- Assessment of Visual Function
- Examination of the Anterior Segment
- Examination of the Posterior Segment and Orbit
- Ocular Therapeutics
- Ocular Microbiology

Diseases of the Eye

- Diseases of the Conjunctiva
- Diseases of the Cornea
- Diseases of the Sclera
- Diseases of the Uveal Tract
- The Lens
- The Glaucomas
- Diseases of the Retina
- Diseases of the Vitreous
- Diseases of the Optic Nerve
- Intraocular Tumours
- Injuries to the Eye

Disorders of Motility

- Anatomy and Physiology of the Motor Mechanism
- Comitant strabismus
- Incomitant Strabismus

Diseases of the Adnexa

- Diseases of the Lids
- Diseases of the Lacrimal Apparatus
- Diseases of the Orbit

Systemic Ophthalmology

- Diseases of the Nervous System with Ocular Manifestations
- Ocular Manifestations of Systemic Disorders
- Systemic drugs – Effects on eye

Preventive Ophthalmology

- Genetic Ophthalmology
- The Causes and Prevention of Blindness
- Eye Banking
- Eye Camps

Surgical Instruments in Ophthalmology

- Surgical Instruments in Ophthalmology
- Local Anaesthesia in Ophthalmology
- Lasers in Ophthalmology

NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper