

RAN-2406100201010501
Master of Surgery (Ophthalmology) Examination September - 2025
Paper - I (Set - 1)
Time: 3 Hours]
[Total Marks: 100
સૂચના : / Instructions
(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:
Master of Surgery (Ophthalmology)
Name of the Subject :
Paper - I (Set - 1)
Subject Code No.: 2406100201010501
Seat No.:

Student's Signature

- (2) Sketch neat and labeled diagram wherever necessary.
 (3) Figures to right indicate full marks of the question.
 (4) All questions are compulsory.

- Q. 1.** Discuss anatomy and development of the macula. Enumerate the macular function tests, what are Method of assessment of macular thickness? Describe appearance of macula in fundus Fluorescein Angiogram (FFA) **(10+5+5+5)**
- Q. 2.** Describe Structure and physiology of tear film, with methods to evaluate tear film disorders. Discuss Clinical features, evaluation and management of Meibomian gland disease. **(10+10+5)**
- Q. 3.** Discuss physiology of aqueous humour production and drainage. What is relationship between central corneal thickness and IOP measurement? What is blood aqueous barrier? **(15+5+5)**
- Q. 4. Write short notes on**
- a. Discuss various materials and designs of intraocular lenses **(9)**
- b. What is Scheimpflug's principle? How is it useful in Ophthalmology? **(8)**
- c. Cyclosporin **(8)**



RAN-2406100201010502



M. S. (Ophthalmology) Examination September - 2025

Paper - II

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

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Name of the Examination:

M. S. (Ophthalmology)

Name of the Subject :

Paper - II

Subject Code No.: 2406100201010502

Seat No.:

Student's Signature

- (2) Write to the point.
 (3) Figures to the right indicates marks.
 (4) Draw figures as and when requires.

- Q. 1.** Discuss medical vs. surgical management of primary open angle glaucoma What are the factors related to success or failure of glaucoma filtering surgery? What is role of Releasable Sutures? (10+10+5)
- Q. 2.** Etiopathogenesis, clinical features, investigation and management of central retinal vein occlusion. Mention landmark trials in Intravitreal Therapy for CRVO. (15+10)
- Q. 3. Write short notes on**
- Optic Neuritis Treatment Trial (8)
 - Adjustable muscle surgery' (8)
 - Acanthamoeba keratitis (9)
- Q. 4.** Discuss pathogenesis, clinical features, diagnosis, differential diagnosis and management of Ocular tuberculosis. (25)



RAN-2406100201010503



Master of Surgery (Ophthalmology) Examination September - 2025

Paper - III

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

Master of Surgery (Ophthalmology)

Name of the Subject :

Paper - III

Subject Code No.: 2406100201010503

Seat No.:

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Student's Signature

- (2) Sketch neat and labeled diagram wherever necessary.
- (3) Figures to right indicate full marks of the question.
- (4) All questions are compulsory.

- Q. 1. Describe aetiopathogenesis, ocular manifestations of retinopathy of prematurity (ROP) and its management. (25)
- Q. 2. 40 year of patient presented with sudden onset uniocular diplopia. Discuss Causes, investigations and management. (25)
- Q. 3. Write short notes on
- a. Marcus gunn ptosis (8)
 - b. Cavernous sinus thrombosis (8)
 - c. Fungal endophthalmitis (9)
- Q. 4. Discuss Classification, clinical features, diagnosis and management of choroidal melanoma. (25)



RAN-2406100201010504



M. S. (Ophthalmology) Examination September - 2025

Paper - IV

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવટી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

M. S. (Ophthalmology)

Name of the Subject :

Paper - IV

Subject Code No.:

2406100201010504

Seat No.:

Student's Signature

- (2) Write to the point.
- (3) Figures on the right indicate marks.
- (4) Draw figures as and when require.

- Q. 1.** Describe the principles, indications and classification of Minimally Invasive Glaucoma Surgery. Discuss advantages and limitations compared to conventional glaucoma surgery. (15+10)
- Q. 2.** a. How will you evaluate pre-existing astigmatism in a patient with cataract? (9)
- b. What are current options for management of cataract with astigmatism in present day? (8)
- c. Discuss various surgical methods to manage preoperative astigmatism during cataract surgery? (8)
- Q. 3.** Discuss the activity and severity based management of thyroid eye disease. What is sequential surgery for Thyroid eye disease? (15+10)
- Q. 4.** Write short notes on
- a. Describe the applications of Artificial Intelligence in ophthalmology. (9)
- b. Newer Treatment Modalities in the Management of Keratoconus. (9)
- c. New Anti vegf agents. (7)