

2406100201010501
EXAMINATION JANUARY 2025
MASTER OF SURGERY
MASTER OF SURGERY (OPHTHALMOLOGY)
PAPER - I - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : MASTER OF SURGERY
 - b. Name of the Subject : MASTER OF SURGERY (OPHTHALMOLOGY) PAPER - I - LEVEL 1
 - c. Subject Code No : 2406100201010501
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

- Q.1** Describe the applied Anatomy and Physiology of Cornea and Ocular Surface. Define the anatomical, pathological and surgical limbus and discuss role of stem cells in homeostasis and injury. **25**
- Q.2** Discuss development and pathology of hyaloid, choroidal and retinal vasculature in human eye. **25**
- Q.3** Classify and discuss antiangiogenic agents in ocular use. **25**
- Q.4** Diagrammatically explain in short applied optics of any five commonly used ophthalmic instruments. **25**

2406100201010502
EXAMINATION JANUARY 2025
MASTER OF SURGERY
MASTER OF SURGERY (OPHTHALMOLOGY)
PAPER - II - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : **MASTER OF SURGERY**
 - b. Name of the Subject : **MASTER OF SURGERY (OPHTHALMOLOGY) PAPER - II - LEVEL 1**
 - c. Subject Code No : **2406100201010502**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

- Q.1** Discuss Amblyopia and its various treatment modalities. Name indications and write a note on transposition procedures of extraocular muscles **25**
- Q.2** Enlist and discuss various complications of trabeculectomy surgery and their management. Write a note on microincisional glaucoma surgery **25**
- Q.3** Discuss eyelid reconstruction techniques for full thickness eyelid defects of various degrees. **25**
- Q.4** Discuss scleral buckling procedure for retinal detachment. What are surgical indications, techniques and complications of Pneumatic Retinopexy **25**

2406100201010503
EXAMINATION JANUARY 2025
MASTER OF SURGERY
MASTER OF SURGERY (OPHTHALMOLOGY)
PAPER - III - LEVEL 1

[Time: As Per Schedule]

[Max. Marks : 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : MASTER OF SURGERY
 - b. Name of the Subject : MASTER OF SURGERY (OPHTHALMOLOGY) PAPER - III - LEVEL 1
 - c. Subject Code No : 2406100201010503
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

- Q.1 Discuss Retinopathy of Prematurity. 25
- Q.2 Describe ocular manifestations of Phacomatosis - Neurocutaneous syndromes. 25
- Q.3 Write a note on clinical manifestations, staging and treatment of Thyroid Eye Disease. 25
- Q.4 Write salient Ophthalmic manifestations of following diseases: 25
- a) Systemic Lupus Erythematosus
 - b) Shaken baby syndrome
 - c) Familial Adenomatous Polyposis
 - d) Sickle cell hemoglobinopathies
 - e) Idiopathic Intracranial Hypertension

2406100201010504
EXAMINATION JANUARY 2025
MASTER OF SURGERY
MASTER OF SURGERY (OPHTHALMOLOGY)
PAPER - IV - LEVEL 1

[Time: As Per Schedule]

[Max. Marks : 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : MASTER OF SURGERY
 - b. Name of the Subject : MASTER OF SURGERY (OPHTHALMOLOGY) PAPER - IV - LEVEL 1
 - c. Subject Code No : 2406100201010504
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

- Q.1** What do you understand by the term corneal asphericity? Name the instruments available for measuring it. How will you customize intraocular lenses after cataract surgery based on corneal asphericity value. Write a note on Presbyopia correcting intraocular lenses after cataract surgery. **25**
- Q.2** Lessons learnt by Ophthalmologists after SARS-CoV-2. **25**
- Q.3** Role of femtosecond LASER in ophthalmology. **25**
- Q.4** Write a note on the following: **25**
- a) Recent advances in dry eye diagnostics and treatment
 - b) Tamponading agents in Retina Surgery
 - c) Uses of Botox in Ophthalmology
 - d) Endothelial Keratoplasty
 - e) Evolution of OCT
