



RAN-2006100501010001  
**RAN-2006100501010001**

**M. S. (Ophthalmology) Examination June - 2023**

**Anatomy, Embryology, Physiology, Pharmacology, Optics : Paper - I**

**[ Total Marks: 100**

**सूचना : / Instructions**

(1)

नीचे दृष्टविले निधानीवानी विगतो उत्तरवही पर अवश्य लभवी.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

**M. S. (Ophthalmology)**

Name of the Subject :

**Anatomy, Embryology, Physiology, Pharmacology, Optics : Paper - I**

Subject Code No.: **2006100501010001**

Seat No.:

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Student's Signature

- Q. 1.** Describe the blood aqueous barrier. Discuss the formation and circulation of the aqueous humor and describe various drugs acting on it. **25**
- Q. 2.** Describe the origin, insertion and actions of the extraocular muscles and discuss the functional basis of the various restrictive strabismus. **13 + 12**
- Q. 3.** Draw a labelled diagram and discuss about development of human crystalline lens and write about surgical anatomy of Lens. **13 + 12**
- Q. 4.** Write short notes on: **08 + 08 + 09**
- (a) Anti VEGF (vascular endothelial growth factor) drugs.
- (b) Gonioscopy.
- (c) Anomalies of accommodation.



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**M. S. Ophthalmology Examination June - 2023**

**Ophthalmic Medicine and Surgery : Paper - II**

**Time: 3 Hours ]**

**[ Total Marks: 100**

**सूचना : / Instructions**

(1) नीचे दृशविवेक निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.  
Fill up strictly the details of signs on your answer book

Name of the Examination:  
M. S. Ophthalmology

Name of the Subject :  
Ophthalmic Medicine and Surgery : Paper - II

Subject Code No.: 2006100501020001

Seat No.:

Student's Signature

- (2) Figure on the right indicates marks.  
(3) Answer to the point.  
(4) Draw the diagram when necessary.

- Q. 1. Define ARC explain its development and methods to evaluate ARC.  
(2 + 10 + 13 = 25)
- Q. 2. Describe the peripheral retinal degenerations causing Retinal detachment.  
Clinical features, differential diagnosis and management of retinal detachment.  
(12 + 13 = 25)
- Q. 3. Clinical features, evaluation and management of a case of Pseudo phakic bullous keratopathy.  
(7 + 9 + 9 = 25)
- Q. 4. What is advanced Glaucoma? How will you manage the patient of advanced glaucoma.  
(25)

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**M. S. (Ophthalmology) Examination June - 2023**

**Ophthalmology Related to General Medicine and Surgery :**

**Paper - III**

**[ Total Marks: 100**

**सूचना : / Instructions**

- (1) नीचे दृशविवेक निधानीवाणी विगतो उत्तरवही पर अवश्य लખवी.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

**M. S. (Ophthalmology)**

Name of the Subject :

**Ophthalmology Related to General Medicine and Surgery : Paper - III**

Subject Code No.: **2006100501030001**

Seat No.:

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Student's Signature

- Q. 1.** While doing phacoemulsification, a large posterior capsular Rent occurred and nucleus drops into vitreous cavity. **08 + 07 + 10**
- (a) Describe various steps to identify posterior capsule rent.
- (b) Management of posterior capsular rent.
- (c) Management of this case.
- Q. 2.** Discuss Thyroid associated orbitopathy. Write in detail about surgical management of thyroid eye disease related complications. **12 + 13**
- Q. 3.** Discuss about types of secondary glaucoma and their management. **12 + 13**
- Q. 4.** Write short notes on: **08 + 08 + 09**
- (a) Tamponade agents used in retinal surgeries.
- (b) Ocular manifestation of HIV infection.
- (c) Masquerade syndromes in ophthalmology.

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**M. S. (Ophthalmology) Examination June - 2023**

**Recent advances in Ophthalmology : Paper - IV**

[ Total Marks: 100

**सूचना : / Instructions**

(1)

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

**M. S. (Ophthalmology)**

Name of the Subject :

**Recent advances in Ophthalmology : Paper - IV**

Subject Code No.: **2006100501040001**

Seat No.:

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Student's Signature

- Q. 1.** Describe various newer formulae for IOL power calculation in Post LASIK and Post RK surgery patients. **25**
- Q. 2.** Describe recent advances in diagnosis and management of Keratoconus. **25**
- Q. 3.** Describe principle, method, advantage and disadvantage of Femtosecond laser assisted cataract surgery (FLACS). **25**
- Q. 4.** Write short notes on: **08 + 08 + 09**
- (a) Keratoprosthesis.
- (b) Botulinum toxin in ophthalmology.
- (c) Pre-perimetric Glaucoma.

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