

Contents

<i>Preface</i>	<i>vii</i>
<i>Contents—As per Competency-Based Medical Education (CBME) Curriculum of Ophthalmology</i>	<i>xiii</i>
Section I: Anatomy and Physiology of Eye	
1. Anatomy and Development of Eye	03
2. Physiology of Eye and Vision	14
Section II: Optics and Refraction	
3. Elementary and Physiological Optics	23
4. Errors of Refraction, Accommodation and Asthenopia	33
Section III: Diseases of Eye and Ocular Adnexa	
5. Diseases of Conjunctiva	57
6. Diseases of Cornea	90
7. Diseases of Sclera	133
8. Diseases of Uveal Tract	139
9. Diseases of Lens	169
10. Glaucoma	207
11. Diseases of Vitreous	240
12. Diseases of Retina	246
13. Neuro-ophthalmology	291
14. Ocular Motility and Strabismus	318
15. Disorders of Eyelids	343
16. Diseases of Lacrimal Apparatus	369
17. Diseases of Orbit	383
18. Ocular Injuries	406
Section IV: Ocular Therapeutics	
19. Ocular Pharmacology	423
20. Lasers and Cryotherapy in Ophthalmology	441
Section V: Systemic and Community Ophthalmology	
21. Systemic Ophthalmology	449
22. Community Ophthalmology	459
<i>Annexure: NMC Guidelines for Eligibility to Appear in Examination</i>	<i>475</i>
<i>Index</i>	<i>479</i>

Mybooksfactory.com

Online Contents

PART A: QUICK TEXT REVIEW WITH MULTIPLE CHOICE QUESTIONS—NEET/ NEXT PATTERN

Section I: Anatomy and Physiology of Eye

1. Anatomy and Development of Eye
2. Physiology of Eye and Vision

Section II: Optics and Refraction

3. Elementary and Physiological Optics
4. Errors of Refraction and Accommodation

Section III: Diseases of Eye and Ocular Adnexa

5. Diseases of Conjunctiva
6. Diseases of Cornea
7. Diseases of Sclera
8. Diseases of Uveal Tract
9. Diseases of Lens
10. Glaucoma
11. Diseases of Vitreous
12. Diseases of Retina
13. Neuro-ophthalmology
14. Diseases of Ocular Motility
15. Disorders of Eyelids
16. Diseases of Lacrimal Apparatus
17. Diseases of Orbit
18. Ocular Injuries

Section IV: Ocular Therapeutics

19. Ocular Pharmacology
20. Lasers and Cryotherapy in Ophthalmology

Section V: Systemic and Community Ophthalmology

21. Systemic Ophthalmology
22. Community Ophthalmology

Section VI: Practical Ophthalmology

23. Clinical Methods in Ophthalmology

PART B: CLINICAL SKILL VIDEOS

Contributors: Dr Ashwani Ghai, Miss Nikita Sethi

1. Distant Visual Acuity
2. Near Visual Acuity
3. Pin-hole Vision Test
4. Colour Vision Test
5. Menace Reflexes
6. Evaluation of Pupillary Reflexes
7. Confrontation Test for Peripheral Visual Field Charting
8. Digital Tonometry
9. Indentation Tonometry
10. Technique for Distant Direct Ophthalmoscopy
11. Technique for Direct Ophthalmoscopy
12. Indirect Ophthalmoscopy
13. Testing of Uniocular Eye Movements
14. Testing of Binocular Eye Movements
15. Eversion of Upper Eyelid
16. Epilation
17. Lacrimal Regurgitation Test
18. Lacrimal Sac Massage Technique for Congenital Dacryocystitis
19. Instillation of Eye Medications
20. Eye Irrigation
21. Ocular Bandaging

PART C: SURGICAL VIDEOS

Contributors: Dr Suneeta Dubey, Dr Pradeep Mohanta, Dr Santosh Honavar, Dr Vikas Mittal

1. Entropion Correction—Fox Techniques
2. Entropion Correction—Jones Procedure
3. Entropion Correction—Marginal Rotation
4. Entropion Correction—Tarsal Wedge Resection
5. Eyelid Reconstruction—Direct Closure
6. Ptosis Correction—Levator Resection

- 7.** Ptosis correction—Tarsorrhaphy with Silicone Rod
- 8.** Enucleation—Myoconjunctival Technique
- 9.** Tarsorrhaphy
- 10.** External Dacryocystorhinostomy (DCR)
- 11.** Divide and Conquer Technique of Phacoemulsification
- 12.** Stop and Chop Technique of Phacoemulsification
- 13.** Trabeculectomy
- 14.** Pterygium Excision with Conjunctival-limbal Autograft
- 15.** Corneal Scraping
- 16.** Fibrin Glue Application
- 17.** Corneal Tear Repair
- 18.** Penetrating Keratoplasty
- 19.** Therapeutic Penetrating Keratoplasty
- 20.** Squint Surgery

Mybooksfactory.com