MS[ Ophthalmology ]

BF/2015/11

## Basic Ophthalmology

**[Paper-I]**

Time : 3 Hours M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

Illustrate your answer with suitable diagrams

1. Blood supply of optic nerve. [10]

2. Factors maintaining the transparency of cornea. [10]

3. Multifocal IOLs. [10]

4. Theories of color vision. [10]

5. Autorefracter, optics, technique & uses. [10]

6. Biochemical basis of cataractogenesis. [10]

7. Microscopic anatomy of trabecular meshwork. [10]

8. Recent advances in the treatment of presbyopia. [10]

9. Role of femtosecond laser in eye. [10]

10. Biometry & calculation of IOL power in a child < 6year of age. [10]

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#### Clinical Ophthalmology

**[Paper-II]**

Time : 3 Hours M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

Illustrate your answer with suitable diagrams

1. Management of ptosis. [10]

2. Keratoconus. [10]

3. Phacodynamics. [10]

4. Binocular single vision. [10]

5. Management of buphthalmos. [10]

6. Rhegmatogenous retinal detachment. [10]

7. Macular hole. [10]

8. Phakic IOL. [10]

9. Management of post operative endophthalmitis post cataract surgery.

[10]

10. Endothelial keratoplasty. [10]

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#### Principle and practice of surgery and related topics

**[Paper-III]**

**(New Scheme w.e.f. 2010 admission)**

Time : 3 Hours M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

Illustrate your answer with suitable diagrams

1. Surgical management of retained intraocular foreign body. [10]

2. Surgical management of dissociated vertical deviation. [10]

3. Surgical management of Fuch’s endothelial corneal dystrophy. [10]

4. Surgical management of subluxated cataract. [10]

5. Management of neovascular glaucoma. [10]

6. Surgical management of telecanthus. [10]

7. Management of canalicular blockage. [10]

8. Technique and complications of laser peripheral iridotomy. [10]

9. Roll of cryotherapy in ophthalmology. [10]

10. Disinfection and fumigation of eye operation theatre. [10]

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#### Recent advances in Ophthalmology

**[Paper-IV]**

**(New Scheme w.e.f. 2010 admission)**

Time : 3 Hours M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

Illustrate your answer with suitable diagrams

1.Phacoemulsification. [10]

2. Antiglaucoma drugs. [10]

3. Multifocal ERG. [10]

4. Genetic counselling in blinding disorders. [10]

5. Serpiginous choroiditis. [10]

6. Angio OCT. [10]

7. Tele ophthalmology. [10]

8. Masquerade syndromes. [10]

9. Amblyopia. [10]

10. Stem cell therapy. [10]

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