

Roll No.

--	--	--	--	--	--	--	--	--	--

M.S. Ophthalmology
EXAMINATION, April, 2014
Paper First
Basic Sciences

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Describe the detailed structure of cornea along with anatomical and physiological factors responsible to maintain its transparency. [20]
2. Describe the blood supply of optic nerve head with labeled diagram. Describe its clinical implications. [20]
3. Write short notes on— [15x4]
 - a. Colour vision & its clinical applications
 - b. Optics of operation microscope
 - c. Structure and function of RPE
 - d. Limbal stem cells.

Roll No.

--	--	--	--	--	--	--	--	--	--

M.S. Ophthalmology
EXAMINATION, April, 2014

Paper Second

Disorders of Adnaexa, Lens, Glaucoma

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions.

1. Classify and describe the drugs used in Glaucoma. [20]
2. Enumerate various intraocular lenses and describe one in detail [20]
3. Describe management of nasolacrimal duct block. Briefly describe imaging of lacrimal drainage system. [20]
4. Write short notes on— [10x4]
 - a. Anterior capsular phimosis
 - b. Dalen Fuch's nodule
 - c. Anatomy and diagram of angle of anterior chamber
 - d. Anatomy and development of lens

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**M.S. Ophthalmology
EXAMINATION, April, 2014**

Paper Third

Clinical ophthalmology covering disease of the eye: Retina optic nerve
Neuroophthalmology, Pediatric ophthalmology, Ophthalmic Oncology,
Ocular genetics

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Describe the pathogenesis and classification of Diabetic retinopathy. Discuss the treatment of clinically significant macular edema. [20]
2. Give the differential diagnosis of malignant lid tumours. Describe the principles of lid reconstruction. [20]
3. Describe the normal papillary reactions and discuss the causes of anisocoria. [20]
4. Write short notes on: [10x4]
 - a. Central retinal artery occlusion
 - b. Retinopathy of prematurity
 - c. Choroidal melanoma
 - d. Congenital dacryocystitis

Roll No.

--	--	--	--	--	--	--	--	--	--

**M.S. Ophthalmology
EXAMINATION, April, 2014**

Paper Fourth

Surgical Ophthalmology, systemic Ophthalmology, Community
Ophthalmology, Ophthalmic research, recent advances

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions.

1. Describe various techniques of Deep Lamellar Keratoplasty. [20
2. Utility of Femto second Laser in Ophthalmology. [20
3. Describe National Programme for control of Blindness in India. [20
4. Write short notes on-- [10x4
 - a. Recent advances in Nerve fibre analysis.
 - b. Advances in IOL
 - c. Cold Phaco
 - d. Paediatrics Cataract.
