Reg. No.			
1008. 110.			

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO OPHTHALMOLOGY

Tuesday, October 08, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- & Answer ALL the questions.
- Essay Questions.
- 1. Describe the anatomy and congenital anomalies of the cornea.

(15 marks)

2. Describe the clinical features, management and histopathology of squmous cell carcinoma of the Limbus.

(15 marks)

- 3. Write short answers for the following:
- 3A. Write a note on cyclosporine
- 3B. Write a note on ectopia lentis
- 3C. Describe streak retinoscopy
- 3D. Write a short note on amblyopia
- 3E. Write a note on vitreous metabolism
- 3F. Histopathology of malignant melanoma
- 3G. Human Immunodeficiency Virus
- 3H. Relations of cavernous sinus
- 3I. Electro oculo gram
- 3J. Duochrome test

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$

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SUBJECT: PAPER II: CLINICAL OPHTHALMOLOGY

Wednesday, October 09, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- Essay Questions:
- 1. Describe the aetiology, risk factors, management and complications of branch retinal vein occlusion.

(15 marks)

2. Classify esotropia. Discuss management of essential infantile esotropia.

(15 marks)

- 3. Short answer questions:
- 3A. Discuss Pre perimetric Glaucoma.
- 3B. Discuss Low Visual Aids.
- 3C. Discuss management of paediatric cataract.
- 3D. Discuss Sympathetic Ophthalmitis.
- 3E. Discuss Duochrome test.
- 3F. Discuss clinical features, pathogenesis, differential diagnosis and management of primary congenital glaucoma.
- 3G. Classify scleritis. Discuss clinical manifestations, investigations and management of scleritis and its complications.
- 3H. Discuss ophthalmic manifestation of thyrotoxicosis.
- 3I. Discuss the differential diagnosis and management of shallow anterior chamber in first postoperative day after trabeculectomy.
- 3J. Describe clinical features, investigations and management of a case of medial wall fracture of orbit.

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$



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SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY OF EYE AND RELATED TOPICS

Thursday, October 10, 2019

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- **Essay Questions:**
- 1. A patient complains of Diplopia after road traffic Accident. What are the possibilities? Discuss.

(15 marks)

2. How do you manage a case of corneoscleral perforation with uveal prolapse?

(15 marks)

- 3. Short answer:
- 3A. How do you assess a case of congenital ptosis? Outline the steps of levator resection.
- 3B. Discuss the aetiopathogenesis and signs in Brown's syndrome. How do you treat it?
- 3C. What is Ectropion. Classify. How do you treat a case of Paralytic Ectropion?
- 3D. What are the complications of late leakage of trabeculectomy bleb? How do you manage the leak?
- 3E. How do you evaluate a case of unilateral vitreous haemorrhage? What are the complications?
- 3F. How do you treat a case of recurrent pterygium?
- 3G. Write briefly on:
 - i) Foldable IOL
 - ii) Retinal tamponade
- 3H. What is the role of Botulisum toxin in ophthalmic conditions?
- 3I. Write briefly on:
 - i) Ghost cell glaucoma
 - ii) Adies pupil
- 3J. How do you treat a case of periorbital capillary Haemangioma?

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$

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SUBJECT: PAPER IV: RECENT ADVANCES IN OPHTHALMOLOGY

Friday, October 11, 2019

Time:	14:00 -	- 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- Essay Questions:
- 1. Discuss the advances in Keratoconus management.

(15 marks)

2. Explain in brief the various ophthalmological applications of the optical coherence tomography.

(15 marks)

- 3. Short answer questions:
- 3A. Outline the surgical techniques in management of myopia.
- 3B. Discuss role of Botulinum toxin in Ophthalmology.
- 3C. Explain Vision 2020.
- 3D. Discuss the recent advances in Diabetic macular edema management.
- 3E. Discuss the innovations in vitrectomy.
- 3F. Describe Artificial retina.
- 3G. Classify intraocular lenses and give a brief description of multifocal lenses.
- 3H. Discuss Teleophthalmology.
- 31. Discuss the role of Polymerase chain reaction in Ophthalmology.
- 3J. Discuss shunts in glaucoma surgery.

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$