

M.S. Ophthalmology.

PRABALGAD : WINTER - 2016

SUBJECT : PAPER-I – ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES

Day : Saturday
Date : 03/12/2016

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Describe the anatomy of the optic nerve. Write briefly about various congenital anomalies of the optic nerve. (15)

Q.2 Discuss the physiology of Aqueous Humour production and drainage. Describe the advantages and disadvantages of various types of goniolenses. (15)

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Draw a diagram of the Autonomic Innervation of the pupil. Discuss the diagnostic tests for Horner's syndrome.
- b) Describe in detail the pharmacological action, indications, contraindications and toxic effects of 1% Atropine Sulphate.
- c) Write a note on role of OCT in Macular disorders.
- d) Describe the anatomy, nerve supply and actions of superior oblique muscle. Describe Bielchowsky's three step test.
- e) Define Binocular single vision. Discuss the theories, grades and anomalies of BSV.
- f) Describe uses of Ultrasonography in ophthalmology.
- g) Describe the tests for Dry eye.
- h) Describe the optics of the indirect ophthalmoscope with the help of diagrams.

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PRABALGAD : WINTER - 2016
SUBJECT : PAPER-II – OPHTHALMIC MEDICINE AND SURGERY

Day : Monday
Date : 05/12/2016

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Define and classify retinal detachment. Write the predisposing factors, clinical features and management of Rhegmatogenous retinal detachment. (15)

Q.2 How do you evaluate a case of proptosis? Add a note on orbitotomy. (15)

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Discuss the etiology and management of non-healing corneal ulcer.
- b) Write a note on fungal endophthalmitis.
- c) Discuss the differential diagnosis of Epiphora in an infant.
- d) Discuss the clinical features and management of Malignant melanoma of the choroid.
- e) Discuss the etiology, clinical features and management of vitreous haemorrhage.
- f) Write a note on stemcell transplantation.
- g) Write a note on Microspherophakia.
- h) Mention the types of ectropion and describe its management.

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PRABALGAD : WINTER- 2016
**SUBJECT : PAPER-III – OPHTHALMOLOGY IN RELATION TO GENERAL
MEDICINE AND SURGERY**

Day : Wednesday
Date : 07/12/2016

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss the pathogenesis, ocular manifestation and diagnosis of Graves diseases. (15)

Q.2 Discuss the etiology and management of a case of BRVO. (15)

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Discuss ocular manifestation of Hansen's disease.
- b) Discuss aetiology, clinical features and management of III Cranial Nerve Palsy.
- c) Write a note on Steven Johnson Syndrome.
- d) Write note on Immunosuppressives.
- e) Discuss the evaluation of Ophthalmic causes of headache.
- f) Write a note on CMV retinitis.
- g) Write a note on management of Wet AMD.
- h) Enumerate the tumours of the lid. Outline the principles of lid reconstruction.

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MEDICINE AND SURGERY**

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- h) Enumerate the tumours of the lid. Outline the principles of lid reconstruction.

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PRABALGAD : WINTER - 2016
SUBJECT : PAPER-IV – RECENT ADVANCES IN OPHTHALMOLOGY

Day : Friday
Date : 09/12/2016

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Write in detail the recent advances in the management of Keratoconus. (15)

Q.2 Describe the recent advances made in Cataract surgery. Write a note on multifocal and toric IOLS. (15)

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Discuss the use of Amniotic membrane in ophthalmology.
- b) Write a note on DSEK.
- c) Write a note on Glaucoma drainage devices.
- d) Discuss sutureless strabismus surgery.
- e) Discuss retinal implants.
- f) Describe the advances in management of presbyopia.
- g) OCT angiography.
- h) Discuss the recent advances in the management of retinoblastoma.

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