



Name :

Roll No. :

Invigilator's Signature :

CS/B.OPTM/SEM-2/BO-203/2011

2011

ANATOMY (OCULAR)

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

10 × 1 = 10

- i) Central retinal artery supplies
 - a) all the layers of retina
 - b) inner six layers of retina
 - c) outer four layers of retina
 - d) none of these.

- ii) Lacrimal gland receives nerve supply from
 - a) Nasociliary nerve
 - b) Frontal nerve
 - c) Optic nerve
 - d) None of these.

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- iii) 'Nuclear bow' is found in the
- a) Cornea
 - b) Lens
 - c) Fovea
 - d) Ganglion cells.
- iv) All of the following nerves pass through superior orbital fissure *except*
- a) Lacrimal nerve
 - b) Frontal nerve
 - c) Nasociliary nerve
 - d) Zygomatic nerve.
- v) Meibomian glands are
- a) endocrine glands
 - b) modified sebaceous glands
 - c) modified sweat glands
 - d) none of these.
- vi) In the lacrimal system, the valve of Hasner is found in
- a) common canaliculus
 - b) lacrimal sac
 - c) nasolacrimal duct and meatus of nose
 - d) punctum and conalculus.
- vii) Central retinal artery is a branch of
- a) the internal carotid artery
 - b) the aorta
 - c) ophthalmic artery
 - d) the external carotid artery.



- viii) Glands of Moll are
- a) modified sebaceous glands
 - b) sebaceous glands
 - c) modified sweat gland
 - d) none of these.
- ix) Lateral Rectus muscle originates from
- a) annulus of Zinn
 - b) lateral geniculate body
 - c) superior oblique muscle
 - d) medial rectus muscle.
- x) The sensory nerve supply to iris is by
- a) nasociliary nerve
 - b) oculomotor nerve
 - c) cervical sympathetic chain
 - d) none of these.

GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following.

3 × 5 = 15

2. Surgical spaces in the orbit.
3. Vortex vein.
4. Development of the Cornea.
5. Apex of the orbit.

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GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following.

3 × 15 = 45

6. a) Discuss the development of the lacrimal system.
b) Draw and describe briefly the various parts of the lacrimal system of the eye. 5 + 10
7. Discuss the origin, course and distribution of oculomotor nerve.
8. Discuss the structure of the eyelid and also mention the various glands and muscles found there.
9. a) Discuss the microscopic structure of conjunctiva.
b) Explain briefly about development of the crystalline lens.

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