



Name :

Roll No. :

Invigilator's Signature :

CS/B.OPTM/SEM-2/BO-203/2010
2010
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 any *ten* of the following : 10 × 1 = 10
- i) Short posterior ciliary artery originates from
 - a) ophthalmic artery
 - b) long posterior ciliary artery
 - c) anterior ciliary artery
 - d) none of these.

 - ii) Superior rectus and levator palpebrae superioris are supplied by
 - a) superior division of oculomotor nerve
 - b) inferior division of oculomotor nerve
 - c) ciliary ganglion
 - d) none of these.

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[Turn over



- iii) Sympathetic nerve supply to the eye is derived from
- a) post-ganglionic fibres of superior cervical ganglion
 - b) ciliary ganglion
 - c) Edinger Westphal nucleus
 - d) Red nucleus.
- iv) Choriocapillaries are separated from Retinal Pigment Epithelium (RPE) by
- a) Ciliary muscles
 - b) Bruch's membrane
 - c) Stromal layer
 - d) Long posterior ciliary artery.
- v) The Sensory nerve supply to iris is by
- a) nasoeiliary nerve
 - b) oculomotor nerve
 - c) cervical sympathetic chain
 - d) none of these.
- vi) Both sensory and pigment layers of retina are derived from
- a) neuroectoderm
 - b) surface ectoderm
 - c) mesoderm
 - d) none of these.



- vii) All of the following nerves pass through superior orbital fissure except
- a) Lacrimal nerve
 - b) Frontal nerve
 - c) Nasociliary nerve
 - d) Zygomatic nerve.
- viii) The lateral walls of the two orbits are at to each other.
- a) 45 degrees
 - b) 60 degrees
 - c) 90 degrees
 - d) 120 degrees.
- ix) Glands of Moll refer to
- a) modified sebaceous gland
 - b) modified sweat gland
 - c) sebaceous gland
 - d) none of these.
- x) The outer third of the Retina is supplied by
- a) central retinal artery
 - b) choriocapillaries
 - c) Major arterial circle of iris
 - d) all of these
 - e) none of these.
- xi) Lacus Lacrimalis refers to
- a) Lacrimal sac
 - b) Lacrimal bone
 - c) Lacrimal gland
 - d) none of these.

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GROUP – B
(Short Answer Type Questions)

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

3 × 5 = 15

2. Blood supply of the Retina.
3. Levator palpebrae superioris muscle.
4. Inferior orbital fissure with a labelled diagram.
5. Development of lens.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. 3 × 15 = 45

6. Explain the anatomical situation (location) of the cavernous sinus. Mention its important connections and the structures in close relation to cavernous sinus. Give a labelled diagram.
10 + 5
7. Mention the structure (in detail) and the nerve supply and the blood supply of the ciliary body. 10 + 5
8. Describe with the help of a diagram the detailed structure of crystalline lens. 10 + 5
9. a) Describe the various muscles of the eyelid.
b) Describe the various glands in the eyelid. 10 + 5

