	Utech
Name :	
Roll No. :	Conference (V Knowledge Field Excellent
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 : $10 \times 1 = 10$
 - 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 granglion
 - d) none of these.

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- iii) Sympathetic nerve supply to the eye is derived fi
 - 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.

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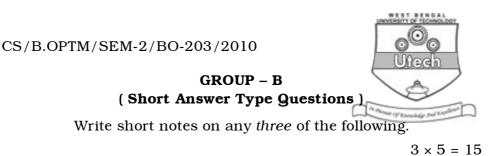
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- vii) All of the following nerves pass through superior orbital fissure except
 - a) Lacrimal nerve
 - b) Frontal nerve
 - c) Nasociliary nerve
 - d) Zygomatic nerve.
- viii) The lateral walls of the two orbits are at to each other.
 - a) 45 degrees
 - 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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- 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. $3 \times 15 = 45$

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

- 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

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