		Utech
Name:		
Roll No. :		A Sprage (V Exercising 2nd Explant)
Invigilator's Signature :	:	
	CC/D ODTM/CI	EMF 9 /DO 909 /9011

# 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 )

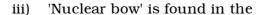
1. Choose the correct alternatives for the following:

 $10 \times 1 = 10$ 

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



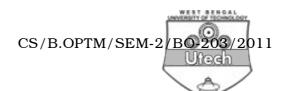






- d) Ganglion cells.
- iv) All of the following nerves pass through superior orbital fissure *except* 
  - a) Lacrimal nerve
- b) Frontal nerve
- c) Nasociliary nerve
- d) Zygomatic nerve.
- v) Meibomian glands are
  - a) endocrine glands
  - b) modified sebaceous glands
  - c) modified sweat glands
  - 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 conaliculus.
- vii) Central retinal artery is a branch of
  - a) the internal carotid artery
  - b) the aorta
  - c) opthalmic artery
  - d) the external carotid artery.

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#### 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 geneculate body
  - c) superior oblique muscle
  - d) medical 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.

 $3 \times 5 = 15$ 

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

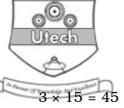
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## (Long Answer Type Questions)

Answer any three of the following.



- 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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