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Invigilator's Signature :	

# CS/B.OPTM/SEM-2/ BO-203/2012 2012 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) Ghost vessels are found in
  - a) Cornea
- b) Conjunctiva
- c) Crystalline lens
- d) Sclera.
- ii) Superior Oblique muscle is supplied by which nerve?
  - a) Oculomotor
- b) Trochlear
- c) Trigeminal
- d) Abducens.
- iii) Lateral Rectus muscle is supplied by ...... artery.
  - a) Ophthalmic artery
  - b) Ophthalmic and Lacrimal artery
  - c) Palpebral artery
  - d) Infraorbital artery.

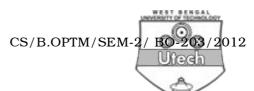
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- iv) Cornea is developed from
  - a) Surface ectoderm
  - b) Mesoderm
  - c) Endoderm
  - d) Neuroectoderm.
- v) Thinnest bone is
  - a) Zygomatic
- b) Ethmoid
- c) Sphenoid
- d) Lacrimal.
- vi) Patellar Fossa is also known as
  - a) Berger's space
  - b) Space of gold man
  - c) Weiger's space
  - d) None of these.
- vii) The Sensory nerve supply to iris is by
  - a) nasociliary nerve
  - b) oculomotor nerve
  - c) cervical sympathetic chain
  - d) none of these.

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- viii) The lacrimal gland is located in the ..... part of the roof of the orbit.
  - a) antero lateral
- b) antero medial

c) lateral

- d) medial.
- ix) All are contents of the orbit except
  - a) Ciliary ganglion
  - b) Retrobulbar fat
  - c) First two divisions of Vth nerve
  - d) Branches of ophthalmic division of trigeminal nerve.
- x) ...... layer of retine consists of Nuclei of bipolar, horizontal and amacrine cells.
  - a) Ganglion cell layer
  - b) Outer nuclear layer
  - c) Nerve fibre layer
  - d) Inner nuclear layer.

### **GROUP - B**

## (Short Answer Type Questions)

Write short notes on any three of the following.

 $3 \times 5 = 15$ 

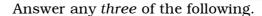
- 2. Central region of retina.
- 3. Glands of the eyelids.
- 4. Attachments of vitreous humour.
- 5. Circle of Willis.
- 6. Lateral geniculate body.

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# (Long Answer Type Questions)





- 7. a) Draw a labelled diagram of the lacrimal apparatus showing the various parts (description not needed).
  - b) Discuss the origin, insertion and the various parts of Levator palpebrae, superioris (LPS) muscle. Mention its nerve supply.

What is the result of paralysis of LPS muscle? 5 + 10

- 8. Name the various foramina in the orbit and mention the structures passing through these.
- 9. a) Milestones in development of the eye. Discuss.
  - b) Discuss the structure and function of Ciliary body.

$$7\frac{1}{2} + 7\frac{1}{2}$$

10. Draw a labelled diagram and briefly describe the role of the various structures found in the angle of the anterior chamber.

$$7\frac{1}{2} + 7\frac{1}{2}$$

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