



Name : .....  
Roll No. : .....  
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 × 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.



- 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.



- 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 × 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.



**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

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.

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

