



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. |

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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.



- 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.

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

