

BACHELOR OF OPTOMETRY (B. OPTOM)
SEMESTER -II EXAMINATION, JUNE-2026

(BOPT201) HUMAN ANATOMY - II

[Time allotted: Three Hours]

[Max Marks: 100]

Note: Read all the instructions carefully

Answer all questions in serial order, Draw suitable diagrams wherever necessary

Q. 1. Objective type questions: (Attempt All)

(10 x 02 = 20)

(Very short/ Short answer/ MCQ/ One liners/ Fill in the blanks/ True/False)

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| <p>a. Bone which form Roof of bony orbit?</p> <p style="margin-left: 20px;">i. Frontal bone
 ii. Maxilla bone
 iii. Zygomatic bone
 iv. Lacrimal bone</p> <p>b. Cerebrospinal fluid is found in:</p> <p style="margin-left: 20px;">i. Epidural space
 ii. Subdural space
 iii. Subarachnoid space
 iv. Corpus callosum</p> <p>c. Medial rectus muscle is supplied by:</p> <p style="margin-left: 20px;">i. Facial nerve
 ii. Trochlear nerve
 iii. Oculomotor nerve
 iv. Abducent nerve</p> <p>d. Which cranial nerve is responsible for parasympathetic innervation of the iris?</p> <p style="margin-left: 20px;">i. Cranial nerve III
 ii. Cranial nerve IV
 iii. Cranial nerve II
 iv. Cranial nerve VI</p> <p>e. Transparent part of eye ball is:</p> <p style="margin-left: 20px;">i. 1. Sclera
 ii. 2. Cornea
 iii. 3. Retina
 iv. 4. Iris</p> | <p>f. Ethmoidal bone is present in which wall of the orbit:</p> <p style="margin-left: 20px;">i. Lateral
 ii. Floor
 iii. Medial
 iv. Roof</p> <p>g. Which cranial nerve control muscles of facial expression?</p> <p style="margin-left: 20px;">i. Facial nerve
 ii. Trigeminal nerve
 iii. Glossopharyngeal nerve
 iv. Vagus nerve</p> <p>h. Ophthalmic artery arises from:</p> <p style="margin-left: 20px;">i. External carotid artery
 ii. Internal carotid artery
 iii. Subclavian artery
 iv. Common carotid artery</p> <p>i. Accessory spinal nerve is the:</p> <p style="margin-left: 20px;">i. 7th cranial nerve
 ii. 9th cranial nerve
 iii. 11th cranial nerve
 iv. 12th cranial nerve</p> <p>j. Which is not an extra ocular muscle?</p> <p style="margin-left: 20px;">i. Levator palpebrae superioris
 ii. Superior oblique
 iii. Superior rectus
 iv. Pupillary muscle</p> |
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Q. 2. Short notes/ Short answer type questions (Attempt any Five)

(05 x 04 = 20)

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|------------------------------------|-------|
| a. Annular ring of Zinn | (CO4) |
| b. Trochlear nerve | (CO4) |
| c. Lens | (CO4) |
| d. Ciliary body | (CO1) |
| e. Pupillary muscles | (CO5) |
| f. Superior orbital fissure | (CO5) |
| g. Conjunctiva | (CO5) |

Q. 3. Structured questions (Attempt any Three)

(03 x 10 = 30)

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| a. Describe the Microscopic structure of cornea. Add a note on clinical importance of cornea. | (CO5) |
| b. Give the details of Extraocular muscles under following headings: | |
| i) Origin ii) Insertion iii) Nerve supply iv) Action (2+2+2+4) | (CO4) |
| c. Describe Facial nerve. | (CO5) |
| d. Describe Lacrimal apparatus. | (CO5) |

Q. 4. Long Answer/ Essay type questions (Attempt any Two)

(02 x 15 = 30)

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|---|-------|
| a. Describe Bony Orbit. Add a note on its contents | (CO5) |
| b. Layers of retina in detail with histological diagram. | (CO5) |
| c. Draw a well labelled diagram and describe structure of eye. | (CO5) |