

First Year B.Sc Optometry Degree Supplementary Examinations April 2025
Paper I - Anatomy
(2016 Scheme)

Time: 3 hrs

Max marks: 80

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 121013**Section A – General Anatomy****Marks: 40****Essay:****(10)**

1. Describe different types of cartilage with labelled diagrams, give suitable examples for each

Short notes:**(3x5=15)**

2. Synovial joints – types and structure.
3. Brain stem.
4. Spleen.

Answer briefly:**(5x2=10)**

5. Microscopic structure of medium sized artery.
6. Compound epithelium.
7. Circle of Willis.
8. Extra hepatic biliary apparatus.
9. Coronary sinus.

Fill in the blanks:**(5x1=5)**

10. Type of epithelium present in tonsil is _____.
11. Bile duct opens into _____.
12. Coverings of cartilage and bone are _____ and _____ respectively.
13. Left coronary artery divides into _____ and _____.
14. Osteoclast found in bone are _____ type of cells.

Q P Code: 122013**Section B – Ocular Anatomy****Marks: 40****Essay:****(10)**

1. Describe the lacrimal apparatus under the following headings:
 a) Components b) Innervation c) Function

Short notes:**(3x5=15)**

2. Corneal reflex pathway
3. Layers of the retina
4. Visual pathway

Answer briefly:**(5x2=10)**

5. Fovea centralis
6. Conjunctiva
7. Accommodation reflex
8. Retinal blood supply
9. Ciliary Body

Fill in the blanks:**(5x1=5)**

10. Sensory innervation of cornea is by _____ nerve.
11. Trochlear nerve supplies _____ muscle.
12. The optic canal transmits _____ and _____.
13. _____ is the transparent anterior part of the eye.
14. The retina is derived from _____ layer of the optic cup.
