

**First Year B. Sc Optometry Degree Regular/Supplementary Examinations
November 2024
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 cartilages, emphasizing on their microscopic anatomy

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

2. Right Lung
3. Liver
4. Pituitary gland

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

5. Microscopic anatomy of lymph node
6. Coronary sinus
7. Deltoid muscle
8. Fourth ventricle of brain
9. Thick skin

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

10. Shoulder joint is an example for..... type of synovial joint
11. Predominant type of connective tissue fibers in tunica media of a large artery is
12. Peritoneal ligament attached to lesser curvature of stomach is
13. Covering of bone is called.....
14. Type of epithelium seen in tonsil is.....

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

1. Describe the extra ocular muscles under the following headings
(a) Origin and insertion (b) Innervation (c) Actions

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

2. Abducent nerve
3. Crystalline lens
4. Ophthalmic artery

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

5. Anterior chamber of eye
6. Development of retina
7. Lacrimal gland
8. Ciliary ganglion
9. Microscopic structure of cornea

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

10. Visual defect produced by central part of optic chiasma is.....
11. Dilator pupillae is supplied by..... fibers
12. Maxillary nerve exits cranium through foramen
13. Part of brain stem which contains Facial nerve nucleus is
14. Major arterial supply of optic nerve is from
