

**First Year B.Sc Optometry Degree Examinations October 2018****Paper I - Anatomy****(2016 Scheme)****Time: 3 hrs****Max marks: 80**

- Answer all questions
- Draw diagrams 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 the blood supply of heart

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

2. Elastic cartilage
3. Cardiac muscle
4. Transitional epithelium

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

5. Blood supply of long bone
6. Lymph node
7. Arterial anastomosis
8. Name the two components of autonomic nervous system
9. Name the structures present at the root of right lung

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

10. The last part of small intestine is \_\_\_\_\_
11. The gland with both exocrine and endocrine function is \_\_\_\_\_
12. The layer of epidermis of skin lying over the basement membrane is \_\_\_\_\_
13. Larynx continues as \_\_\_\_\_
14. The part of brainstem which continues as spinal cord is \_\_\_\_\_

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

1. Name the coats of the eyeball. Describe the cornea.

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

2. Structure of lens
3. Ophthalmic artery
4. Levator palpebrae superioris

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

5. Corneo-scleral junction
6. Abducent nerve
7. Innervation of muscles of the iris
8. Draw the structure of retina
9. Primary visual area

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

10. Ophthalmic artery is a branch of \_\_\_\_\_
11. Postganglionic fibres from ciliary ganglion pass through \_\_\_\_\_
12. Superior tarsal muscle is innervated by \_\_\_\_\_
13. Bitemporal hemianopia is caused by lesion of \_\_\_\_\_
14. Tears drain into the nasal cavity through \_\_\_\_\_