

First Year BSc Optometry Degree Examinations November 2016  
General Anatomy & Ocular Anatomy  
**(2014 Scheme)**

**Time: 3 hrs**

**Max marks: 80**

- Answer all questions
- Write section A and section B in separate answer books (32 Pages).  
Do not mix up questions from section A and section B.

**Q P Code: 111013 Section A – General Anatomy**

**Marks: 40**

**Essay:** (10)

1. Describe in detail the surfaces, borders and blood supply of heart

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

2. Compound epithelium
3. Liver
4. Structure and sites of occurrence of hyaline cartilage

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

5. Broncho-pulmonary segments
6. Lobes of cerebrum
7. Parathyroid gland
8. Capillaries
9. Cancellous bone

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

10. Sarcomere is the part of myofibril between two \_\_\_\_\_.
11. Example of unicellular gland is \_\_\_\_\_.
12. Epithelial lining of blood vessels is called \_\_\_\_\_.
13. Vermis connects the two lobes of \_\_\_\_\_.
14. The neurotransmitter at postganglionic parasympathetic nerve endings is \_\_\_\_\_.

**Q P Code: 112013 Section B – Ocular Anatomy**

**Marks: 40**

**Essay:** (10)

1. Describe the origin, insertion, nerve supply and actions of extra ocular muscles

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

2. Ciliary body
3. Microscopic structure of cornea
4. Pupillary light reflexes

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

5. Edinger- westphal nucleus
6. Tarsal glands
7. Visual cortex
8. Superior orbital fissure
9. Vitreous body

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

10. Visual acuity is greatest at fovea centralis due to high concentration of \_\_\_\_\_.
11. Muscle which raises the upper eyelid is \_\_\_\_\_.
12. Central artery of retina is a branch of \_\_\_\_\_.
13. Optic vesicles are outgrowths from the developing \_\_\_\_\_.
14. Pigment contained in the pigment cells of retina is \_\_\_\_\_.