

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 _____.