

Reg. No.:

First Year B.Sc Optometry Degree Regular/Supplementary Examinations
February 2021
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. Name the parts of a developing long bone. Describe types of epiphysis

Short notes:

(3x5=15)

2. Trachea
 3. Epithelia
 4. Types of muscular tissue

Answer briefly:

(5x2=10)

5. Larynx
 6. Diagram of typical intercostal nerve
 7. Coronary sinus
 8. Smooth muscle
 9. Fibrous joints

Fill in the blanks:

(5x1=5)

10. The major constituent of tunica media of large artery is _____
 11. The shoulder joint is _____ type of synovial joint
 12. _____ artery is a branch of left coronary artery
 13. The type of cartilage present in articular cartilage is _____
 14. The partition between the atrial chambers of heart is called _____

Q P Code: 122013

Section B – Ocular Anatomy

Marks: 40

Essay:

(10)

1. Name the nerves innervating the extraocular muscles. Describe the oculomotor nerve.

Short notes:

(3x5=15)

2. Lacrimal apparatus
 3. Lateral geniculate body
 4. Layers of retina

Answer briefly:

(5x2=10)

5. Constrictor pupillae
 6. Vitreous humor
 7. Ophthalmic veins
 8. Lateral rectus
 9. Development of cornea

Fill in the blanks:

(5x1=5)

10. Postganglionic secretomotor fibres to the lacrimal gland, brought by _____
 11. Medial rectus is supplied by _____ nerve
 12. Retina is supplied by _____ artery
 13. Extortion of the eyeball is caused by _____
 14. The parasympathetic ganglion present in the orbit is _____
