

First Year B.Sc Optometry Degree Supplementary Examinations**October 2018****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. Classify and describe the microscopic structure of cartilages with examples

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

2. Describe the fibrous joints.
3. Write a short note on lymph node
4. Microscopic structure of medium sized artery

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

5. Classify neurons based on polarity.
6. Name the connective tissue fibers.
7. Give any two differences between skeletal and cardiac muscle
8. Describe transitional epithelium
9. Arterial supply of long bones

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

10. Schwann cells form around the nerve fibers in peripheral nervous system.
11. Pseudo stratified ciliated columnar epithelium is seen in
12. Blood vessels which supply the blood vessels are called
13. Signet ring appearance is seen in cells.
14. Lacrimal gland is an example for..... type of gland

Q P Code: 112013 Section B – Ocular Anatomy**Marks: 40****Essay:****(10)**

1. Describe the extraocular muscles under the following headings:
• Attachments • Nerve supply • Actions

(4+3+3)**Short notes:****(3x5=15)**

2. Describe the structure of rods and cones.
3. Describe the lacrimal gland.
4. Ciliary ganglion

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

5. Visual cortex.
6. Structure of Optic nerve
7. Central Retinal Artery.
8. Aqueous humour.
9. What is strabismus

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

10. Cornea is lined by epithelium.
11. The junction between sclera and cornea is called
12. Cones respond to light.
13. is a pigmented layer which separates posterior part of the sclera from the retina.
14. Sclera develops from germ layer
