

Reg. No.: .....

**First Year B.Sc Optometry Degree Supplementary Examinations  
March (November), 2020  
General Anatomy & Ocular Anatomy  
(2014 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: 111013 Section A – General Anatomy**

**Marks: 40**

**Essay:**

**(10)**

1. Mention different types of connective tissue. Describe adipose tissue in detail.

**(6+4)**

**Short notes:**

**(3x5=15)**

2. Difference between sympathetic ganglia and spinal ganglia.
3. Microscopy of elastic cartilage.
4. Transitional epithelium.

**Answer briefly:**

**(5x2=10)**

5. Microscopic difference between skeletal and cardiac muscle.
6. Types of neuron.
7. Bones forming shoulder joint.
8. Chambers of heart.
9. Parts of stomach.

**Fill in the blanks:**

**(5x1=5)**

10. The bile duct opens to second part of -----.
11. Spinal cord is seen in----- canal.
12. ----- is the nerve supplying deltoid muscle.
13. Insulin is secreted by ----- cells of islets of Langerhans.
14. Left gastric artery is a branch of -----

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

**Marks: 40**

**Essay:**

**(10)**

1. Describe the layers of retina. Draw the microscopic features of retina.

**(5+5)**

**Short notes:**

**(3x5=15)**

2. Development of eye.
3. Lacrimal apparatus.
4. Structure of ciliary body.

**Answer briefly:**

**(5x2=10)**

5. Superior oblique muscle.
6. Blind spot
7. Microscopy of cornea.
8. Rods and cones.
9. Annulus of zinn.

**Fill in the blanks:**

**(5x1=5)**

10. Inferior oblique muscle is supplied by -----nerve.
11. Ora serrata is part of -----.
12. ----- is vascular coat of eyeball.
13. ----- fibers cross in optic chiasma.
14. Cataract is a disease of -----.

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