

**First Year B.Sc Optometry Degree Supplementary Examinations**  
**January 2023**  
**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 types of epithelia. Describe stratified epithelia in detail

**(2+8)**

**Short notes:**

**(3x5=15)**

2. Differences between hyaline and elastic cartilage  
3. Connective tissue cells  
4. Microscopy of compact bone

**Answer briefly:**

**(5x2=10)**

5. Microscopic differences between large artery and large vein  
6. Bones forming shoulder joint  
7. Parts of liver  
8. Spleen  
9. Arterial supply of heart

**Fill in the blanks:**

**(5x1=5)**

10. Stomach continues as .....  
11. .... nerve is supplying deltoid muscle  
12. The outer covering of peripheral nerve is called.....  
13. Coeliac trunk is a branch of .....  
14. Normal length of esophagus .....

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

**Marks: 40**

**Essay:**

**(10)**

1. Name the layers of eyeball. Describe retina in detail

**(4+6)**

**Short notes:**

**(3x5=15)**

2. Lacrimal gland  
3. Recti muscles  
4. Optic nerve

**Answer briefly:**

**(5x2=10)**

5. Microscopic structure of cornea  
6. Levator palpebrae superioris  
7. Optic disc  
8. Development of eye  
9. Ciliary ganglion

**Fill in the blanks:**

**(5x1=5)**

10. Lateral rectus is supplied by .....  
11. Limbus is .....  
12. Miosis is .....  
13. Ptosis in Horner's syndrome is due to .....  
14. Lesion of optic tract results in .....

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