

Reg. No.: .....

**First Year B.Sc Optometry Degree Regular/Supplementary Examinations**  
**January 2022**  
**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. Classify joints. Describe synovial joints

**Short notes:**

**(3x5=15)**

2. Elastic cartilage
3. Right atrium
4. Transitional epithelium

**Answer briefly:**

**(5x2=10)**

5. Epiphysis
6. Sinusoids
7. Diagram of cell
8. Compound epithelia with examples
9. Cardiac muscle

**Fill in the blanks:**

**(5x1=5)**

10. The organ supplied by coronary arteries is \_\_\_\_\_
11. The thickest layer of large vein is \_\_\_\_\_
12. Pseudo unipolar neurons are present in \_\_\_\_\_
13. Hassal's corpuscles are present in \_\_\_\_\_
14. Bronchopulmonary segments are aerated by \_\_\_\_\_

**Q P Code: 122013**

**Section B – Ocular Anatomy**

**Marks: 40**

**Essay:**

**(10)**

1. Describe the visual pathway

**Short notes:**

**(3x5=15)**

2. Layers of retina
3. Ciliary ganglion
4. Oculomotor nerve

**Answer briefly:**

**(5x2=10)**

5. Parts of choroid
6. Dilator pupillae
7. Layers of cornea
8. Superior oblique
9. Aqueous humor

**Fill in the blanks:**

**(5x1=5)**

10. In-torsion of the eyeball is by \_\_\_\_\_
11. Retina develops from \_\_\_\_\_
12. Constriction of the pupil is caused by \_\_\_\_\_ muscle
13. Inferior oblique muscle is supplied by \_\_\_\_\_
14. Primary visual area is situated in \_\_\_\_\_ lobe of cerebrum.

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