

**First Year B.Sc Optometry Degree Supplementary Examinations April 2019**  
**Paper I - Anatomy**  
**(2016 Scheme)**

Time: 3 hrs

Max marks: 80

- Answer all questions
- Draw diagrams 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 gastrointestinal tract. Explain liver in detail

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

2. Thyroid gland
3. Skin
4. Structure of multipolar neuron

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

5. Name any two long bones
6. Name the branches of arch of aorta
7. Diagram of a pseudostratified epithelium
8. Parts of brain stem
9. Write any two points for hyaline cartilage

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

10. The collection of cell bodies outside CNS is -----.
11. The part of skin supplied by one spinal nerve is called as -----.
12. The bones developing in tendon are called as -----.
13. The plane which divides the body into right and left is called as -----.
14. The joints which are connected by dense connective tissue and immobile are called as -----.

**Q P Code: 122013****Section B – Ocular Anatomy****Marks: 40****Essay:****(10)**

1. Describe the origin, course and distribution of oculomotor nerve.

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

2. Choroid
3. Ophthalmic artery
4. Nerve supply of lacrimal gland

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

5. Name the refractive media present in eye
6. Name the muscles which control the size of pupil
7. Name the three types of cones present in man
8. Draw and label the sagittal section of eye
9. Optic canal

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

10. The ----- is suspended between choroid and lens
11. The clouding of the lens is known as -----.
12. Lamina cribrosa in the optic nerve region is formed by -----.
13. Optic nerve is myelinated by -----.
14. The ----- gives the sharpest vision

\*\*\*\*\*