

B.OPTOM
(New Syllabus 2015-2016)

FIRST YEAR

**PAPER I – GENERAL ANATOMY, GENERAL PHYSIOLOGY AND
BASIC BIOCHEMISTRY**

Q.P. Code: 802701

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe the heart in detail – position, relations, chambers, flow of blood through heart and coronary circulations.
2. TCA cycle.
3. Describe in detail functions of pituitary gland and its control.

II. Write notes on:

(8 x 5 = 40)

1. Anatomy of pancreas and blood supply.
2. Components of blood.
3. Classification of joints.
4. Anatomy of testes and its functions.
5. Parts of excretory system.
6. Normal and abnormal constituents of urine.
7. Fat soluble vitamins.
8. Menstrual cycle.

III. Short answers on:

(10 x 3 = 30)

1. Name types of cartilage.
2. Juxtaglomerular apparatus.
3. Structure of a neuron.
4. Immunoglobulins.
5. Hypoxia.
6. Name the digestive juices.
7. Cholesterol and its significance.
8. Name three essential aminoacids.
9. Role of rhodopsin in vision.
10. Tongue.
