

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. Name the parts of the digestive system. Describe the stomach in detail including its blood supply and functions.
2. Define homeostasis and describe body fluid compartments. Add a note on transport across cell membranes.
3. Classify proteins and explain its properties.

II. Write notes on:

(8 x 5 = 40)

1. Tongue.
2. Mechanics of respiration.
3. Classification of bones.
4. Functions of liver.
5. Anatomy of thyroid gland.
6. Cholesterol, its derivatives and their significance.
7. Red blood cells and their functions.
8. Functions and deficiency manifestations of vitamins.

III. Short answers on:

(10 x 3 = 30)

1. Structure and functions of skeletal muscle.
2. Functions of skin.
3. Different parts of eye.
4. Spleen.
5. Parts of excretory system.
6. Iron.
7. Functions of autonomic nervous system.
8. Female sex hormones.
9. Normal constituents of urine.
10. Electrophoresis.
