

[LJ 0816]

AUGUST 2016

Sub.Code: 2701

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. Explain in detail the parts and functions of upper and lower respiratory tract with its applied anatomy.
2. Elaborate in detail the visual pathway.
3. Explain the different structural organization of proteins.

II. Write notes on:

(8 x 5 = 40)

1. Histology of cornea and retina.
2. Classification of joints.
3. Transport across cell membrane.
4. Plasma proteins and its functions.
5. Formation of urine.
6. Classification of carbohydrates.
7. Vitamin-A its Source, requirement and its functions.
8. Immunoglobulin's.

III. Short answers on:

(10 x 3 = 30)

1. Normal value:- Blood sugar, blood urea and serum creatinine.
2. Rhodopsin.
3. Function of liver.
4. Muscles of Respiration.
5. Different lymphoid organs.
6. Coagulation factors.
7. Source and deficiency manifestations of vitamin-D.
8. Male sex hormones.
9. Different parts of eye.
10. Essential aminoacids.
