

[LL 0817]

AUGUST 2017

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. Discuss the structure and functions of heart.
2. Write in detail about menstrual cycle.
3. Explain EMP Pathway.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Function of liver.
2. Classification of joints.
3. Functions of white blood cell.
4. Describe in brief the anatomy of the lungs.
5. Structure and functions of skin.
6. Water soluble vitamins.
7. Classification of carbohydrates.
8. Lipo-proteins.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Composition of blood.
2. Draw the figure and mention the parts of neuron.
3. Name the hormones produced by anterior pituitary.
4. What is erythropoiesis?
5. Hypoxia.
6. Male sex hormones.
7. Name the digestive juices.
8. Fibers.
9. Amino acids.
10. Fatty acids.

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