

(LJ 4253)

AUGUST 2016

Sub Code: 4253

**B.PHARM. EXAMINATION  
FIRST YEAR  
PAPER III – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

*Q.P. Code : 564253*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on :**

**(2 x 20 = 40)**

1. a) With a neat outline diagram describe the structure of Digestive System.  
b) Discuss the Digestion of Carbohydrate, Protein and Fat.
2. a) Draw the structure of Adrenal gland.  
b) Discuss the hormones secreted by Adrenal glands and their functions.

**II. Short notes on :**

**(8 x 5 = 40)**

1. First aid for Shock.
2. Name of organism, mode of transmission and prevention of Rabies.
3. Intrauterine devices used for family planning.
4. Clotting factors in blood.
5. Renal regulation of blood pressure.
6. Portal circulation.
7. Synthesis of Thyroxine.
8. Structure of Synovial joint.

**III. Short answers on :**

**(10 x 2 = 20)**

1. Function of Mitochondria.
2. Cervical segment of vertebral column.
3. Ovulation.
4. Conduction tissues of Heart.
5. Atherosclerosis.
6. Functions of Neuroglia.
7. Process of Deglutition.
8. Functions of insulin.
9. Composition of saliva and its function.
10. Any two properties of muscle tissue.

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