



(LL 4254)

AUGUST 2017

Sub Code: 4254

**B.PHARM. DEGREE EXAMINATION
FIRST YEAR
PAPER IV – BIOCHEMISTRY**

Q.P. Code: 564254

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain absorption, digestion and metabolism of Carbohydrate.
b) Biochemical organization of cells.
2. a) What are hormones? Classify hormones.
b) Write chemical nature, properties of action, biochemical function of Hormone.

II. Write notes on:

(8 x 5 = 40)

1. Structure of Immunoglobulin.
2. Gluconeogenesis.
3. Classification of protein.
4. Metabolism of potassium.
5. Biochemistry of urine.
6. Fat soluble Vitamin.
7. Nitrogen balance.
8. Essential fatty acids.

III. Short answers on:

(10 x 2 = 20)

1. Amino acids.
2. Nucleotide.
3. APO-Enzyme.
4. Sugar part of De-oxy Ribonucleic aci
5. Bile salt.
6. Haemoglobin.
7. Functions of phosphorous.
8. Calorific value.
9. Mutation.
10. Adrenaline.

