



(LJ 4254)

AUGUST 2016

Sub Code : 4254

**B.PHARM. 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) Briefly explain about Enzyme induction and inhibition.
b) Explain the causes of Mutagenesis.
2. a) Explain the biosynthesis of Porphyrin.
b) Mucopolysaccharide with example.
c) Calcium metabolism.

II. Short notes on :

(8 x 5 = 40)

1. Write in detail about Jaundice.
2. Explain urea clearance test.
3. Explain about classification of proteins.
4. Explain the transport across the cell membrane.
5. Insulin.
6. Eicosanoids.
7. Urea cycle.
8. HMP shunt.

III. Short answers on :

(10 x 2 = 20)

1. Trace element
2. GTT
3. Genome
4. Isoenzyme
5. Rickets
6. Dextrin
7. Ketone bodies
8. Structure of Vitamin D
9. Steroid
10. VLDL

