

(LF 4254)

AUGUST 2014

Sub Code: 4254

**FIRST YEAR B.PHARM. EXAM
PAPER IV – BIOCHEMISTRY**

Q.P. Code : 564254

Time : Three hours

Maximum : 100 marks

Answer All Questions

I. Essay:

(2X20=40)

1. Write the definition, location, importance, reactions of gluconeogenesis.
2. Write briefly on the laboratory investigations employed to assess liver function.

II. Short notes:

(8X5=40)

1. Ketone Bodies.
2. Bio chemical functions, sources, diseases status of sodium.
3. Write on account of the anterior pituitary hormones.
4. Mutations.
5. Thiamine.
6. Factors affecting enzyme activity.
7. Write down the reactions of β -oxidation.
8. Renal function tests.

III. Short Answers:

(10X2=20)

1. Digestion of protein.
2. Define hyper bilirubinaemia.
3. FAD.
4. Give the structure of vit D and pyridoxine
5. Mutarotation.
6. What are called macromolecules?
7. Atherosclerosis.
8. Define glycogenesis and glycogenolysis.
9. What are the factors that regulate plasma calcium level?
10. Sodium pump.
