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(LK 4254) **FEBRUARY 2017** 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. Define Carbohydrate and its classification.
2. Explain about B-Oxidation of lipids.

II. Write notes on: **(8 x 5 = 40)**

1. Write the structure of DNA.
2. Explain the any two tests for Liver function test.
3. Explain the TCA cycle.
4. Insulin.
5. Classification and nomenclature of enzymes.
6. Explain the essential amino acid with structure.
7. Briefly about Genetic code.
8. Explain about Vitamin A.

III. Short answers on: **(10 x 2 = 20)**

1. Iodine value.
2. Define Protein.
3. Define BM
4. Glycolysis.
5. Write the equation for enzyme kinetics.
6. Define Coenzyme.
7. Classification of Vitamin.
8. Name the Bile pigment.
9. Define Cell.
10. RNA.

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