

[LF 803]

OCTOBER 2014

Sub. Code: 3803

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION****(2009-2010 Regulation)****FIRST YEAR****PAPER III – MEDICINAL BIOCHEMISTRY*****Q.P. Code: 383803*****Time: Three Hours****Maximum: 70 marks****Answer All questions****I. Elaborate on:****(4 x 10 = 40)**

1. Explain in detail about the reactions and energetic of beta oxidation of fatty acid.
2. Describe about the biosynthesis of porphyrin.
3. Discuss in detail about the various test to access kidney function Test.
4. Explain the factors influencing enzyme activity.

**II. Write notes on:****(6 x 5 = 30)**

1. Mechanism of enzyme action.
2. Glycogen storage diseases.
3. Biochemical functions of insulin.
4. Genetic code and its features.
5. Determination of sodium in serum.
6. What is dehydration? Write the different types of dehydration.

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