

[LF 504]

NOVEMBER 2014

Sub. Code : 4055

FIRST M.B.B.S. DEGREE EXAMINATION**PAPER V – BIOCHEMISTRY - I***Q. P. Code : 524055***Time : 180 Minutes****Maximum: 50 Marks**Answer **ALL** questions**I. Elaborate on:****(1 x 10 = 10)**

1. Describe in detail about the metabolic change and complications in Diabetes Mellitus.
Add a short note on the biochemical investigations to be done in Diabetes Mellitus.

II. Write Notes on:**(2 x 5 = 10)**

1. Write in detail about compounds which affects Electron Transport Chain & Oxidative Phosphorylation.
2. Write about the biological actions & clinical applications of Prostaglandins.

III. Short Answers on:**(10 x 3 = 30)**

1. Therapeutic uses of Enzymes.
2. Types of Lipases.
3. Lipotropic Factors.
4. Metabolism of Propionyl CoA.
5. Prevention of Atherosclerosis.
6. Allosteric regulation.
7. Significance of multi-enzyme complexes with example.
8. Vitamin -D deficiency.
9. Functions of Phosphate.
10. What is Saponification and Iodine Number? Write its importance.
