

QP CODE: 103326

Reg. No:

**First Year Pharm D Degree Supplementary Examinations
January 2019**

Medicinal Biochemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Explain the hexose monophosphate shunt in detail with steps and significance
2. Explain the beta-oxidation of fatty acids with examples
3. Elaborate any two immunochemical techniques with their significance

Short notes:

(8x5=40)

4. Transport across cell membranes
5. Galactose tolerance test
6. Ketone bodies
7. Coenzymes involved in biological oxidation
8. Porphyria
9. Role of liver in blood coagulation
10. Glycolysis
11. HDL - Cholesterol
