

2012 Scheme

QP CODE: 217006

Reg. No:

Second Year B. Pharm Degree Supplementary Examinations December 2019

Applied Biochemistry & Molecular Biology

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Discuss the catabolism of phenyl alanine. Add a note on phenylketonuria
2. Explain the steps protein synthesis. Add a note post translational modification and inhibitors of protein synthesis
3. Describe beta oxidation of saturated fatty acid

Short notes

(14x5=70)

4. Fatty liver
5. Substrate level phosphorylation
6. Glycogenolysis
7. Shuttle pathways across mitochondrial membrane
8. Biosynthesis of pyrimidine nucleotides
9. Phospholipids and its function
10. Transport mechanism across cell membrane
11. Diabetes mellitus
12. Fatty acid synthase complex
13. Competitive inhibition
14. Hyperuricemia
15. Heme catabolism and jaundice
16. Prostaglandins
17. Genetic code
