

2012 Scheme

QP CODE: 217006

Reg. No:

Second Year B. Pharm Degree Supplementary Examinations July 2024

Applied Biochemistry & Molecular Biology

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Write equations wherever necessary.*

Essay

(3x10=30)

1. Explain urea cycle with its metabolic disorders.
2. Explain citric acid cycle and its energetics.
3. Discuss β - oxidation of saturated fatty acids.

Short notes

(14x5=70)

4. Types of RNA.
5. Explain the important functions of phospholipids.
6. How ketone bodies are formed explain in detail.
7. Explain phenylketonuria.
8. Transamination reaction.
9. Significance of Hexose Mono Phosphate (HMP) pathway.
10. Catabolism of Tryptophan.
11. Explain the disorders of lipid metabolism.
12. Explain significance of creatinine and histamine.
13. What are the energy rich compounds. Classify with examples.
14. Explain competitive inhibition with examples.
15. Explain genetic code. Give its salient features.
16. Discuss enzyme induction and repression.
17. Explain malate-aspartate shuttle system.
