

2010 Scheme

QP CODE: 207006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations September 2021 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*
- *Draw table/diagrams/flow charts wherever necessary.*

Essay

(3x10=30)

1. Describe the β -oxidation of saturated fatty acid.
2. Enumerate the HMP shunt pathway and its significance. (7+3)
3. Write about urea cycle and its metabolic disorders. (7+3)

Short Notes

(14x5=70)

4. Ketogenesis
5. Hypercholesterolemia
6. Describe transamination and deamination
7. Genetic code
8. Inhibitors of electron transport chain
9. Coenzymes and their biochemical significance
10. Synthesis and significance of dopamine
11. Glycogenesis
12. DNA mutation and repair mechanism
13. Oxidative phosphorylation
14. Porphyrins
15. Biosynthesis of pyrimidine nucleotides
16. Define carbohydrates. Classify them with suitable examples
17. Glycogen storage diseases
