

2010 Scheme

QP CODE: 207006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations February 2022 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. Explain on enzyme kinetics.
2. Explain on metabolism of ketone bodies.
3. Explain mutation, DNA damage and repair mechanism.

Short Notes

(14x5=70)

4. Cyclic AMP and its biological significance.
5. Structure and biochemical functions of ribosomes.
6. Isoenzymes and their diagnostic applications.
7. Substrate level phosphorylation.
8. Inhibitors of electron transport chain.
9. Citric acid cycle.
10. Hormonal regulation of carbohydrate metabolism.
11. Fatty liver and hypercholesterolemia.
12. Urea cycle.
13. Catabolism of purine nucleotides.
14. Structure of RNA and its significance in protein synthesis.
15. Genetic code.
16. Structure of 5 –hydroxy tryptophan, dopamine, noradrenaline and adrenaline.
17. Gluconeogenesis and its significance.
