

Second Year B.Pharm Degree Examinations July 2017

Applied Biochemistry & Molecular Biology

(2012 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Define enzyme and discuss the various types of enzyme inhibition with suitable examples
2. Describe in detail about glycolysis and its regulation
3. What are lipids and classify them with suitable examples. Mention its functions in detail

Short notes

(14x5=70)

4. Cell organelles and their roles.
5. Biological significance of cyclic AMP
6. Iso-enzymes
7. Phospholipids
8. Essential amino acids
9. Metabolism of cholesterol
10. Classification of carbohydrate
11. Catabolism of purine nucleotides
12. Factors affecting enzyme activity
13. Reaction of β – oxidation
14. Bile pigments
15. Urea cycle
16. Ribonucleic acid
17. Genetic code and its characteristics
