

FACULTY**Pharm. D (6 YDC) I-Year (Main & Backlog) Examination, July 2019****Subject: Medicinal Biochemistry****Time: 3 Hours****Max. Marks: 70****Note: Answer all questions from Part –A. Any five questions from Part-B****PART-A (10x2 = 20)**

1. Define Co-transport, Symport and antiport with examples
2. Write a note on co-enzymes and cofactors
3. Write a note on lipid storage disease
4. Write the advantages of glucose tolerance test over other blood glucose estimation tests?
5. Write the metabolic disorders of phenylalanine and tyrosine metabolism
6. What is creatinine clearance test? Write its significance
7. What is nitrogen balance?
8. Write a note on immunochemical tests used in diagnosis of viral diseases
9. Write the diagnostic significance of SGOT and SGPT enzymes.
10. Write a note on essential amino acids.

PART B (5X10 = 50)

11. Explain β –oxidation of palmitic acid with its energetic.
12. Explain HMP shunt and write its significance
13. Explain Line weaver Burk plot. Discuss about reversible enzyme inhibition with examples
14. Explain DNA replication and DNA repair mechanism
15. What is biological oxidation? Explain the mechanism of ETC and its regulation
16. Discuss the tests for hepatic dysfunction
17. Explain in detail about RIA and discuss its applications in diagnosis
18. Discuss in detail about gluconeogenesis and Write a brief account on glycogen storage diseases
