

Pharm-D. I -Year (Instant) Examination, January 2014**Subject : Medicinal Biochemistry****Time : 3 Hours****Max. Marks: 70****Note: Answer All questions from Part – A and any five questions from Part – B.****Part – A (10 x 2 = 20 Marks)**

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| 1 | Write about the membrane active transport. | 2 |
| 2 | What are the components present in the cell membranes? | 2 |
| 3 | Define the Iso enzymes, how many classes of enzymes are there according to the IUB. | 2 |
| 4 | What is fatty liver? | 2 |
| 5 | What are triglycerides, explain their significance? | 2 |
| 6 | What are Lipoproteins? | 2 |
| 7 | Explain the role of coenzyme in Biological oxidation. | 2 |
| 8 | What is Nitrogen balance? | 2 |
| 9 | What is the nucleotide? | 2 |
| 10 | Define Mutagen. Explain various types of Mutagens. | 2 |

Part – B (50 Marks)

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| 11 | (a) Explain about Enzyme inhibition. | 5 |
| | (b) Explain about genetic code. | 5 |
| 12 | (a) Outline the steps involved in glycolysis. | 5 |
| | (b) The role of HMP shunt in the carbohydrate metabolism. | 5 |
| 13 | (a) Write about the different types of Immunoglobulins. | 5 |
| | (b) Write about the principle and application of ELISA. | 5 |
| 14 | (a) Describe the various steps in Electron transport chain. | 5 |
| | (b) Comment on inhibitors ETC. | 5 |
| 15 | (a) Write about the different types of Enzymes involved in DNA Replication process. | 5 |
| | (b) Discuss the following DNA Repair mechanism. | 5 |
| | (i) Base excision Repair | |
| | (ii) SOS Repair | |
| 16 | (a) Write about the Urea cycle. | 5 |
| | (b) Write about the HDL and LDL cholesterol. | 5 |
| 17 | (a) Write about difference between the gluconeogenesis and glycogenesis. | 5 |
| | (b) Discuss about the Transamination and decarboxylation. | 5 |
| 18 | Write a note on electrolytes. | 10 |
