

First Year Pharm D Degree Examinations - August 2013

Medicinal Biochemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(3x10=30)

1. Explain in detail HMP shunt pathway. Add a note on hormonal regulation of carbohydrate metabolism
2. Describe the different factors affecting enzyme activity. Add a note on mechanism of enzyme action.
3. Explain DNA replication with the help of a neat labeled diagram.

Short notes:

(8x5=40)

4. Regulation, energetic and metabolic disorders associated with urea cycle.
5. Schematically represent electron transport chain. Add a note on uncouplers.
6. Principle and procedure involved in urine creatinine test.
7. Dye tests used for detecting dysfunction in excretory function of liver.
8. ELISA.
9. Electrolyte distribution in human body.
10. Atherosclerosis
11. Compare and contrast between passive diffusion and facilitated diffusion with examples.
