

First Year Pharm D Degree Supplementary Examinations - February 2015

Medicinal Biochemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(3x10=30)

1. Explain in detail the citric acid cycle and add a note on energetics.
2. Describe the electron transport chain and add a note on oxidative phosphorylation.
3. Enlist the various biochemical roles carried out by kidney. Outline the methods to assess normal functions of kidney.

Short notes:

(8x5=40)

4. Fatty liver.
5. What are iso-enzymes. Mention the therapeutic and diagnostic application of any two iso-enzymes.
6. What are energy rich compounds and mention its biological significance.
7. What is genetic code. Mention the initiation and termination codons.
8. Expand the terms RIA and ELISA. Compare and contrast RIA with competitive ELISA.
9. Enlist the different compartments of body water. Explain how the amount of body water in a given compartment is assessed.
10. Test used to detect serum bilirubin.
11. Metabolic disorder of amino acids.
