

QP CODE: 103326

Reg. No:.....

First Year Pharm D Degree Supplementary Examinations - March 2013

MEDICINAL BIOCHEMISTRY

Time: 3 Hours

Total Marks: 70

- **Answer all questions**
- **Write equations, draw diagrams wherever necessary**

Essay: (2x10=20)

1. Describe the metabolism of purine and pyrimidine nucleotides in detail.
2. List various biochemical roles carried out by kidney. Outline methods to assess kidney dysfunction.

Short Notes: (10x3=30)

3. Explain isoenzymes as diagnostic tools
4. Formation of ketone bodies
5. Explain the role of liver in metabolism
6. Co-enzymes and their significance
7. Liver function tests
8. DNA repair mechanism
9. Hormonal regulation of carbohydrate metabolism
10. Enlist the immunochemical techniques for determination of hormones
11. Metabolic disorders of amino acids
12. Gluconeogenesis and its significance

Answer briefly: (10x2=20)

13. Renal calculi
14. Glycogen storage diseases
15. Energy rich compounds
16. Hyperurobilinogen
17. Triglycerides and their significance
18. Dye test for excretory function
19. Genetic code
20. β -oxidation
21. Proteinuria
22. Biochemical role of nucleotides
