

Q.P.Code:102379

REG. No:.....

**First Year M.Sc Medical Physiology Supplementary Degree Examinations,
February 2015**

(FOUNDATION COURSE)

Time: 3 hrs

Max. Marks:- 70

PAPER II – BIOCHEMISTRY

- ***Answer all the questions***
- ***Draw diagrams wherever necessary***

Essay: (2x10=20)

1. Define glycolysis. Describe briefly the steps of glycolysis and add a note on its energetics & regulation (1+4+ 5=10)
2. Explain the sources, biochemical functions and deficiency manifestations of vitamin A (2+4+4=10)

Short Notes: (6x5=30)

3. Enzyme inhibition
4. Protein energy malnutrition
5. Formation and utilization of ketone bodies
6. Post translational modification
7. Compounds synthesized from glycine
8. Degradation of heme

Answer briefly: (10x2=20)

9. Essential fatty acids
10. Secondary structure of protein
11. Biochemical functions of copper
12. Alkalosis
13. Gout
14. Role of virus in carcinogenesis
15. Creatinine clearance
16. Southern blotting
17. Radiation hazards
18. Immunoglobulin M
