

First Year M.Sc Medical Physiology Degree Examinations, September 2016

(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 the steps of glycolysis and a note on energetics and regulation.
(1+4+2+2=10)
2. Explain the sources, biochemical functions and deficiency manifestations of vitamin C
(1+5+4=10)

Short Notes: (6x5=30)

3. Digestion of proteins
4. Electron transport chain
5. Classification of enzymes
6. Recombinant DNA technology
7. Biochemical functions of calcium
8. Significance of TCA cycle

Answer briefly: (10x2=20)

9. Difference between DNA and RNA
10. Niacin
11. Oncogenes
12. Lesch nyhan syndrome
13. Principles of colorimetry
14. Blood buffers
15. Essential fatty acids
16. Glutamic acid
17. AIDS
18. Mitochondria
