

Q.P. Code: 102379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations December 2020**

(FOUNDATION COURSE)

Paper II – Biochemistry

Time: 3 hrs

Max. Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(2x10=20)

1. Name the ketone bodies. How ketone bodies are formed and utilized in the body and add a note on diabetic ketoacidosis. (1+6+3)
2. Explain the sources, biochemical functions & deficiency manifestations of vitamin A. (1+7+2)

Short Notes:

(6x5=30)

3. Phospholipids
4. Recombinant DNA technology
5. Regulation of enzymes
6. Blood glucose regulation
7. Glucose tolerance test
8. Biologically important compounds formed from tyrosine.

Answer briefly:

(10x2=20)

9. Metabolic acidosis
10. Riboflavin
11. Gout
12. Mitochondrial DNA
13. Essential amino acids
14. Tumor markers
15. Collagen
16. Aspartic acid
17. Genetic code
18. Endoplasmic reticulum
