

Q.P. Code: 102379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Supplementary
Examinations September 2019**

(FOUNDATION COURSE)

Paper II – Biochemistry

Time: 3 hrs

Max. Marks: 70

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

Essay:

(2x10=20)

1. Define glycolysis. Describe the steps of glycolysis. Add a note on energetics.
(1+7+2)
2. Define transcription. Describe the steps of transcription and add a note on inhibitors
(1+7+2)

Short Notes:

(6x5=30)

3. Enzyme classification
4. Compounds formed from glycine
5. How heme is catabolized.
6. Steps of beta-oxidation
7. Plasma buffers
8. ELISA

Answer briefly:

(10x2=20)

9. Anapleurotic role of TCA cycle
10. Inhibitors of electron transport chain
11. Mutagen
12. Beriberi
13. Hartnup disease
14. Dietary fibre
15. Functions of ascorbic acid
16. Fatty liver
17. Leisch-Nyhan syndrome
18. Glutamic acid
