

Q.P. Code: 102379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Supplementary
Examinations April 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 steps of glycolysis. Add a note on regulation
(1+7+2)
2. Define replication. Describe the steps of replication and add a note on DNA repair
(1+7+2)

Short Notes:

(6x5=30)

3. Covalent modification
4. Compounds formed from tyrosine
5. Thalassemia
6. HDL metabolism
7. Renal regulation of pH
8. Blot techniques

Answer briefly:

(10x2=20)

9. Amphibolic role of TCA cycle
10. Hormonal regulation of calcium
11. Functions of prostaglandins
12. Pellagra
13. Phenylketonuria
14. Albumin/Globulin ratio
15. IgG
16. Fatty acid synthase complex
17. Creatinine clearance
18. Aspartic acid
