

QP Code: 223006

Reg. No.....

**Second Semester B. Pharm Degree Supplementary Examinations  
September 2022**

**Biochemistry  
(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- *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 diagrams wherever necessary*

**Essays**

**(2x10=20)**

1. Enumerate gluconeogenesis with its significance.
2. Discuss in detail about  $\beta$ -oxidation of saturated fatty acid

**Short Notes**

**(7x5=35)**

3. Add a note on oxidative phosphorylation and its inhibitors.
4. Atherosclerosis.
5. Genetic code.
6. Catabolism of tyrosine and its metabolic disorders.
7. Michaelis plot.
8. Adenosine tri phosphate
9. Biosynthesis of pyrimidine nucleotides

**Answer Briefly**

**(10x2=20)**

10. Essential amino acids.
11. Glycolysis.
12. Fatty liver.
13. Classification of enzymes
14. Hyperuricemia.
15. Translation.
16. Redox potential.
17. Biological significance of cholesterol.
18. Give examples for enzyme inhibitors.
19. Transamination

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