

QP Code: 223006

Reg. No.....

**Second Semester B. Pharm Degree Regular/Supplementary
Examinations February 2023
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. Define enzyme and discuss the various types of enzyme inhibition with suitable examples.
2. Describe the structure of DNA and their functions

Short Notes

(7x5=35)

3. Michaelis plot
4. HMP shunt and its significance
5. Catabolism of tyrosine
6. De novo synthesis of palmitic acid
7. Biological significances of cyclic AMP
8. Classification of lipids with example
9. Synthesis of melatonin

Answer Briefly

(10x2=20)

10. What are essential amino acids. Give two examples
11. How insulin reduces blood glucose level.
12. RNA synthesis.
13. What is Glucose-6-phosphate dehydrogenase deficiency.
14. Write a note on hyperbilirubinemia
15. What is transamination.
16. Define catabolism.
17. What is alkaptonuria.
18. Oxidative phosphorylation.
19. What are monosaccharides. Classify them based on functional group present in it with suitable example.
