

B. Pharm First Semester (Old)
35139 : Pharmaceutical Biochemistry - I : 1.2

P. Pages : 1

Time : Three Hours



AU - 0654

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **any five** questions.
 3. Diagrams and chemical equations should be given wherever necessary.
 4. Discuss the reaction, mechanism wherever necessary.
 5. Use of pen Blue/Black ink/refill only for writing the answer book.

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| 1. | Define enzyme and classify with nomenclature add note on Km & Vmax. | 12 |
| 2. | Describe the composition, structure and functions of fluid mosaic model of biomembrane. | 12 |
| 3. | Explain in detail the disorders of nucleic acid metabolism. | 12 |
| 4. | Discuss about citric acid cycle add a note on its significance. | 12 |
| 5. | Explain in detail the pentose phosphate pathway. | 12 |
| 6. | a) Explain the therapeutic and diagnostic application of enzyme. | 12 |
| | b) Describe Na ⁺ K ⁺ pump. | |
| 7. | Write short note on any two . | 12 |
| | a) Active site. | |
| | b) Biochemical reaction. | |
| | c) Glycogenolysis. | |
| | d) Bioenergetics. | |
