

35139 : Pharmaceutical Biochemistry - I : 1.2

P. Pages : 1

Time : Three Hours



AW - 2285

Max. Marks : 60

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

1. Define Enzymes. Discuss various factors affecting rate of enzyme reactions. 12
2. Explain in detail citric acid cycle and its significance. 12
3. a) Explain in detail production of ATP and its biological significances. 6
b) Describe $\text{Na}^+ \text{K}^+$ pump. 6
4. Explain reactions involved in Glycolysis. 12
5. Write a detail account on purine and pyrimidine ----- biosynthesis. 12
6. a) Explain – Abnormalities of carbohydrate metabolism. 6
b) Explain Abnormalities of nucleic acid metabolism. 6
7. Write short note on **any two**. 12
 - a) Competitive inhibition.
 - b) Glucose transport.
 - c) Glycogen formation.
