

P. Pages : 1

Time : Three Hours



AV - 2317

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **any five** questions.
 3. Diagrams and chemicals 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.

1. Write function and properties of membrane in detail add note on facilitated transport. **12**
2. Explain in detail effect of different factors on rate of enzyme reaction. **12**
3. Explain glycolysis in detail. **12**
4. What is free energy concept explain in detail. **12**
5. Describe purine and pyrimidine metabolism in detail add note on disorders of purine metabolism. **12**
6. Write short on **any two**. **12**
 - a) Uric acid pathway.
 - b) Na^+, K^+ pumps.
 - c) Glycogen formation.
 - d) Gluconeogenesis.
7.
 - a) Describe the role of high energy nucleotide phosphates in detail. **12**
 - b) Explain double reciprocal plot in detail.
