



UNIT 5

10 MARKS

1. Define enzyme and discuss the various types of enzyme inhibition with suitable examples.
2. Enumerate the IUB classification of enzymes.
3. What are enzymes? Classify, discuss its mechanism of action and also enzymes of clinical importance.
4. a) Define an equation to show that the velocity of enzyme catalyzed reaction is dependent on the substrate concentration.
b) Explain enzyme inhibition with examples.
5. Define Enzyme, classify enzymes based on International Union of Biochemistry (IUB) system with suitable examples. Explain the factors affecting the enzyme activity.
6. Therapeutic and diagnostic applications of enzymes.
7. Explain Enzyme kinetics with Michaelis plot.

5 Marks

1. Mechanism of enzyme action.
2. Explain allosteric enzymes regulation.
3. Iso enzymes.**
4. Classification and nomenclature of enzymes*
5. Clinical applications of enzymes.*
6. Briefly explain about Enzyme induction, inhibition and repression?
7. Discuss the diagnostic applications of isoenzymes
8. Explain coenzymes.
9. Explain the coenzymes involving oxidation – reduction reaction.
10. Describe the Michaelis – Menten equation

2 Marks

1. Define coenzymes and give examples.**
2. Isoenzymes***
3. What are allosteric enzymes? Give examples.
4. Name the enzymes of clinical significance
5. What are the serum enzymes helpful in the diagnosis of Myocardial Infarction?
6. What is Michaelis-Menten equation?
7. Define lysosomes
8. Write the therapeutic applications of enzymes