



Q.2 Short Answer questions. (Attempt any Five)

(10)

- 1) What is anabolism & catabolism ?
- 2) List the main components of Mitochondrial ETC.
- 3) Give types of chemical transformation takes place during glycolysis.
- 4) Give the significance of succinate generated in glyoxylate cycle.
- 5) Explain α - oxidation of fatty acid.
- 6) What is ACP? Explain its role in fatty acid synthesis.
- 7) Explain the mechanism of Transamination.
- 8) Explain transpeptidation reaction in murein biosynthesis.

Q.3 (a) Explain the use of biochemical mutants in studying metabolism. (04)

(b) Write on : Structure and Role of ATP. (04)

OR

Q.3 What is Oxidative phosphorylation ? Discuss its mechanism. (08)

Q.4 Explain glycolysis with regulation and energy generation. (08)

OR

Q.4 Discuss HMP pathway with its significance. (08)

Q.5 Discuss β -oxidation of Saturated fatty acid. (08)

OR

Q.5 Discuss biosynthesis of Saturated fatty acids. (08)

Q.6 Describe biosynthesis of Aeromatic aminoacids. (08)

OR

Q.6 Discuss biosynthesis of Peptidoglycan (08)

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