



Q.1. Give short answers of the following: (6x5=30)

- i. Feeder pathways in glycolysis
- ii. Regulation of Glycogen metabolism
- iii. Omega (ω)-Oxidation pathway
- iv. Metabolic fate of amino acids
- v. Biosynthesis of Ketone bodies
- vi. Types of Prostaglandins, synthesis and main functions

Answers the following questions. (3x10=30)

- Q. 2 Give a comprehensive note on pyrimidine biosynthesis.**
- Q. 3 Describe biosynthesis and utilization of triacylglycerol.**
- Q. 4 Write a detailed description of citric acid cycle.**