

Plant MetabolismShort questions

- (I) catabolic pathway
- (II) Photorespiration
- (III) Pigment
- (IV) Fatty acid synthesis
- (V) Substrate level phosphorylation
- (VI) Cyanide Resistant Respiration (CRR)
- (VII) oxidative decarboxylation of pyruvate
- (VIII) Describe the factors affecting respiration
- (IX) Second Messengers
- (X) What is the functioning of Cal Modulin
- (XI) Role of signals / legend in signal transduction

Long questions

- 1) What do you understand by Photosynthesis? Describe light reaction of photosynthesis in detail?
- 2) Describe  $\beta$ -oxidation of fatty acids.
- 3) Describe the process of biological nitrogen fixation.
- 4) Explain the mechanism of ATP Synthesis.

5. What Mechanism do plants use for signal transduction.
6. Why is signal transduction important and how does it take place.
7. Describe the process of Glycolysis.
8. Describe the process of TCA (Krebs cycle).