

Paper Code : DSC-309

B.Sc. (ZBC)-21

Botany-V (Ecology and Plants Physiology)

[Max. Marks : 100

Q.1. Describe the cyclic and non cyclic photophosphorylation system.

Q.2. what is respiration? Describe the Krebs cycle.

Q. 3. Write short notes on the followings (Any four):

- (i) Difference between food chain and food web. (ii) Climatic factors
(iii) Guttation (iv) Chloroplast (V) R.Q

Q.4. Explain in detail the correct sequence of ecological succession.

Q.5 Define ecology and ecosystem. Write the various components of ecosystem in detail. Also describe any two types of ecosystem.

Q.6 Write short notes on the followings

- a. osmosis b. diffusion
c. plasmolysis d. Turgor pressure and wall pressure

Q.7 What do you mean by photosynthesis? Describe site of photosynthesis. Also describe two pigment systems.

Q.8 What do you mean by phytohormones? Describe the types and physiological role of all phytohormones and also describe biosynthesis of Auxin