

Printing Page(s) : 1

Paper Code : DSC-309

Roll No. 

--	--	--	--	--	--	--	--	--	--

**B.Sc. (ZBC)-21**  
**3<sup>rd</sup> Year Examination, Calendar Batch 2015**  
**Botany-V (Ecology and Plants Physiology)**

Time : 3 Hours ]

[ Max. Marks : 100

*Note. Attempt any **Five** questions. All questions carry equal marks.*

- Q.1** What is Osmosis? Explain the interrelationship of OP, TP(WP) and DPD of plant cell.
- Q.2** Explain the process of photo synthesis with its significance.
- Q.3** Explain the theories of the mechanism of ascent of SAP?
- Q.4** What is ecosystem? Explain the Pont ecosystem with labeled diagram and examples.
- Q.5** Explain the Nitrogen Cycle in details.
- Q.6** Define succession. Explain the types, time factors and causes of succession?
- Q.7** What is Ecology? Explain the divisions, branches and application of ecology in details.
- Q.8** Explain the process of transpiration with its significance.

सा विद्या या विमुक्तये

V S U M E E R U T