Q.P. Code :10387

[Marks:60]

	Please check whether you have got the right question paper. N.B: 1. All questions are compulsory 2. Figures to the right indicate full marks. 3. Draw neat and labeled diagrams wherever necessary.	
Q.1	Describe the various stages associated with germination of seeds. OR	12
Q.1	Describe the role of various hormones in regulating seed dormancy.	
Q.2	Describe the role of heat shock proteins (HSP's) in increased thermotolerance as observed in some plants. OR	12
Q.2	Explain the different pathogen attack strategies induced in plants.	
Q.3	Give an account of biotic factors in an ecosystem. OR	12
Q.3	Write short notes on: a) Population Growth Curve b) Ecological niche	
Q.4	Discuss interspecific competition and role of herbivory. OR	12
Q.4	Discuss the littoral ecosystem.	
Q.5	Write short notes on any three of the following: a. Role of H ⁺ pumps in salinity stress b. Proteinase Inhibitors role in plant defense c. Temperature as a factor in controlling seed dormancy d. Conservation of Genetic resources e. Pollination and symbiosis f. Depletion of forest resources	12

[Time: 2½ Hours]