

M. Sc. Botany (Life Science) Semester IV Theory Examination

Month April Year 2016

Paper – XIII (Plant Ecology)

Time: 2.30 Hrs

Subject code: 3698

Total Marks: 70

INSTRUCTIONS: (1) Draw a labeled diagram where ever necessary.
(2) Figure on right side indicates the marks of question.

Question 1 Describe the following.

- (a) Ecological indicators 07
(b) Autecological Approach 07

OR

Question 1 Write a note on phytosociological characters of plants and methods for their study. 14

Question 2 Describe the following.

- (a) Soil classification 07
(b) Soil erosion 07

OR

Question 2 Write a note on definition and composition of soil regarding to its origin and formation. 14

Question 3 Describe the following.

- (a) Abiotic components of ecosystem . 07
(b) Ecological pyramids. 07

OR

Question 3 Write a note on food chain and energy flow. 14

Question 4 Describe the following.

- (a) Fresh water ecosystems 07
(b) Phytoremediation 07

OR

Question 4 Write a note on Consequences of climate change. 14

Question 5 Describe the following.

- (a) Biotic potential of population ecology. 07
(b) Fluctuations and equilibrium of population ecology. 07

OR

Question 5 Write a note on death rate and age structure of population ecology. 14