

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry 2015 Admission

IIIrd Semester Final Examination- March-2017

Cat. No: Safo.2107.

Title: Forest Ecology, Biodiversity and Conservation (1+1)

Marks: 50.00

Time: 2 hours

I Define

1. Ecology
2. Ecosystem
3. Decomposition
4. Nutrient cycling
5. Carrying capacity
6. Population
7. Guild
8. Genetic drift
9. Biodiversity
10. Secondary production

(10x1=10)

II Write short notes on any FIVE

1. Explain ecological pyramids
2. Write the scope and approaches in ecology
3. Draw a flow chart of food web with examples
4. Define hotspot and write about hotspots in India
5. List the limiting factors for productivity in physical environment
6. Ecotone Vs Edge effect
7. Endemism Vs Endangered

(5x2=10)

III Write short answers on any FIVE

1. Discuss the structure and function of ecosystem.
2. Describe interactions in population.
3. Give a detailed account on major ecosystems of India.
4. Explain the theories of climax with examples.
5. Write short notes on biogeochemical cycles.
6. Describe the productivity of different ecosystems in India.
7. Explain the kinds and causes of succession.

(5x4=20)

IV Write essay on any ONE

1. Elaborate the steps and aspects in biodiversity conservation in India.
2. Write an essay on the energy flow in ecosystems.

(1x10=10)
