

**End Semester/Reappear (Semester III) Examination December 2022**

**Programme: B. Sc. (Hons.) Agriculture**  
**Course: Environmental Science and Disaster Management**  
**Course Code: 13A.214**  
**Enrollment No: \_\_\_\_\_**

**Full Marks: 50**  
**Time: 2 Hrs.**

**Section I**

- 1. Short Answer type questions. Answer any four.** **4 x 5 = 20**
- Explain the effect of modern agriculture technology on environment.
  - List the characteristics of a forest ecosystem.
  - List the different factors that affect the soil erosion.
  - List the effect of radioactive pollution on environment.
  - List the advantages of dams.
  - Write notes on : i) soil degradation    ii) Eutrophication

**Section II**

- Long answer type questions. Answer any two.** **2 x 15 = 30**
- Explain characteristics of Ecological Pyramids with examples of TWO typical ecological pyramids. Show the material and energy flow through the pyramid.
  - Identify the major environmental problems associated with commercial agriculture. Suggest strategies to combat the problems. Also, specify the role of you as an individual in solving the issues.
  - “Water is in a constant state of motion.” Elucidate with specific reference to hydrologic cycle. Also, establish the importance of water conservation.
    - Sketch and explain the energy flow through a desert ecosystem.
  - What do you mean by endangered species and its hotspots? Write about present Government strategies and futuristic suggestions in this regard?
    - Explain the role of an individual in conservation of natural resources.

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