



KERALA AGRICULTURAL UNIVERSITY  
B.Tech.(Ag. Engg.) 2018 Admission  
I Semester Final Examination-January 2019

Lwre.1102

Environmental Studies and Disaster Management (2+1)

Marks: 50  
Time: 2 hours

**I Fill in the Blanks (10x1=10)**

- 1 Resources which can be used, but can be regenerated are called \_\_\_\_\_
- 2 The aquatic ecosystems are classified into \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ ecosystems, which are based on salinity levels
- 3 The process of identifying compounds of great economic value from the wide variety of wild species of plants located in undisturbed natural forests is called \_\_\_\_\_
- 4 Conserving a species outside it's natural habitat in a carefully controlled situation where there is expertise to multiply the species under artificially managed condition is known as \_\_\_\_\_
- 5 Pollutants that are produced in the atmosphere when chemical reactions take place among the primary pollutants are called \_\_\_\_\_ pollutants
- 6 The permitted noise level as per the environment protection act 1999 is \_\_\_\_\_ decibel
- 7 The process of burning municipal solid waste in a properly designed furnace under suitable temperature and operating conditions is known as \_\_\_\_\_
- 8 The \_\_\_\_\_ layer in the atmosphere protects life on the earth from the dangerous UV radiation from the sun.
- 9 The management of single unit of land with it's water drainage system, including rivers and streams which ensures water conservation and increased availability of water throughout the year is called \_\_\_\_\_.
- 10 \_\_\_\_\_ implies planting of trees with agricultural crops or livestock to form an integrated system of biological production.

**II Write Short notes on any FIVE of the following (5x2=10)**

- 1 Non-renewable resources
- 2 Global Climate Change
- 3 Ecosystem
- 4 Decomposers
- 5 Biodiversity
- 6 Risk assessment and vulnerability analysis in disaster management
- 7 Floods

**III Answer any FIVE of the following. (5x4=20)**

- 1 Give the scope and importance of environmental studies
- 2 Overutilization and pollution of surface and ground water
- 3 Soil erosion
- 4 Forest ecosystem
- 5 Air pollution
- 6 Noise Pollution
- 7 Importance of conservation of fresh water sources

**IV Answer any ONE of the following (1x10=10)**

- 1 Integrated solid waste management strategy
- 2 Cylones and mitigation measures

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