



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Tech. (Agrl. Engg.) 2021 Admission**  
**I Semester Final Examination- May 2022**

**Lwre.1102**

**Environmental Studies and Disaster Management (2+1)**

**Marks:50**  
**Time: 2 hours**

**I Fill in the blanks**

**(10x1=10)**

1. \_\_\_\_\_ is the primary reason for the drastic drop in the number of earthquake deaths in the developing countries in the last century.
2. \_\_\_\_\_ known as the father of modern seismology.
3. WWF stands for \_\_\_\_\_
4. \_\_\_\_\_ is basic unit of ecological hierarchy.
5. India ranks \_\_\_\_\_ in the world in terms of water availability per person per annum.

**State True or False**

6. In a temperature inversion, air temperature increases with increasing height.
7. The term 'Niche' was first coined by Odum.
8. Center for Environmental Education is located at Ahmedabad.
9. Gas leaked in Bhopal tragedy was Ethyl Isocyte.
10. International Tsunami Information Center is in Goa.

**II Write short notes on ANY FIVE of the following**

**(5x2=10)**

1. What is difference between renewable and non-renewable resources?
2. What is desertification?
3. What is difference between primary and secondary ecological successions?
4. What is Solid Waste Management?
5. What is difference between Hazard and Disaster?
6. What are various phases of Disaster Risk reduction?
7. Define Environmental Impact Assessment.

**III Answer ANY FIVE of the following**

**(5x4=20)**

1. State the Scope and importance of Environmental Studies.
2. Explain Structure and Functions of an Ecosystem.
3. Explain the benefits and problems associated with Dams.
4. Explain various methods for the conservation of Biodiversity.
5. What do you mean by rainwater harvesting and what are its various types?
6. State the causes, types, and consequences of volcanic eruptions.
7. What is Ozone Depletion? What are its cause, impacts and control measure?

**IV Write an essay on ANY ONE of the following**

**(1x10=10)**

1. Discuss the salient features of Environment Protection Act 1986.
2. Give a detailed account of ecological pyramids along with graphical representations.

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