



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Tech. (Agrl. Engg.) 2019 Admission**  
**I Semester Final Examination-January 2020**

Lwre.1102

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

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

**I Fill in the blanks:**

**(10x1=10)**

1. World environment day is celebrated on \_\_\_\_\_.
2. The Taj Mahal's marble cancer is due to \_\_\_\_\_ gas.
3. Nuclear energy is being generated by \_\_\_\_\_ reaction.
4. KSCSTE is the abbreviation for \_\_\_\_\_.
5. EPA stands for \_\_\_\_\_.
6. Dobson units are for measuring \_\_\_\_\_.
7. Malaria is spread with the bite of the female mosquito \_\_\_\_\_.
8. The advantage of implementing rainwater harvesting is \_\_\_\_\_.
9. Sardar Sarovar project is related to \_\_\_\_\_ river valley.
10. Examples of non renewable energy sources are \_\_\_\_\_, \_\_\_\_\_.

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

**(5x2=10)**

1. Bio mass energy.
2. Air pollution.
3. Forest ecosystem.
4. Differentiate deforestation and forest degradation.
5. Describe oxygen cycle.
6. Mention the effects of ozone depletion.
7. Differentiate toxic waste and reactive waste.

**III Answer ANY FIVE of the following**

**(5x4=20)**

1. Describe three techniques that can protect soil from erosion.
2. Explain the concept of biodiversity.
3. How global warming occurs?
4. Explain the 3R's principle of waste management
5. What is wasteland reclamation? Explain.
6. What is in situ and ex situ conservation? Provide examples of each.
7. Explain the causes of water pollution.

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

**(1x10=10)**

1. As an individual how you can contribute to improve the quality of environment.
2. Give a detailed explanation of aquatic ecosystem. What are the threats to aquatic ecosystem?

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