



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc. (Hons.) Forestry 2016 Admission**  
**III Semester Final Examination-February-2018**

Narm.2102

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

**Marks:50**  
**Time: 2 hours**  
**(10x1=10)**

**I Fill in the blanks:**

- 1 The leakage of .....caused Bhopal gas tragedy in 1984.

**Define the following**

- 2 What is global warming?  
3 Expand the acronym:  
a FSI  
b IPCC  
4 When Wildlife Protection Act is enacted in India?  
5 Name any four renewable energy sources.  
6 What is drought?  
7 Name the scale to measure earthquake  
8 Who is the Father of Green Revolution?  
9 What is meant by building code?

**10 Match the following**

- |              |                                                           |
|--------------|-----------------------------------------------------------|
| a Cyclone    | a Geological Survey of India                              |
| b Landslides | b Indian National Centre for Oceanic Information Services |
| c Tsunami    | c Central Water Commission                                |
| d Floods     | d Indian Meteorological Department                        |

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

**(5x2=10)**

- 1 What is meant by ecosystems?  
2 What are the major mandate and activities of  
a Botanical Survey of India  
b Zoological Survey of India  
3 Write a short note on Environmental Protection Act  
4 Write a short note on the environmental impact of mining  
5 What is desertification?  
6 Write a short note on the effects of pesticides.  
7 What is NDMA and SDMA?

**III Answer ANY FIVE of the following**

**(5x4=20)**

- 1 What are renewable and non-renewable energy sources?  
2 Explain carbon cycle.  
3 What is meant by land degradation?  
4 Write a note on the advantages and disadvantages of dams.  
5 What are the control measures to solid waste management?  
6 What are the different ways to do Capacity development in disaster management?  
7 Write a note on the financial arrangements for the disaster management

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

**(1x10=10)**

- 1 Write an essay on the significance of forests. What are the major threats to forests? What are the current conservation strategies for protecting the forests?  
2 Write an essay on different types of natural disasters that are predominantly found in India.

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