

### 9. OLD QUESTION PAPERS

**R13**

**Code No: 126EC**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, April - 2018**

**DISASTER MANAGEMENT**

(Common to AE, AGE, AME, EEE, ECE, EIE, IT, ME, MIE, PTM)

**Time: 3 hours**

**Max. Marks: 75**

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each full question carries 10 marks and may have a, b, c as sub questions.

#### **PART - A**

**(25 Marks)**

- 1.a) What are the different types of environmental disasters?
- b) List out the various causes of environmental hazards.
- c) Write down the different forms of natural disasters.
- d) Explain the effect of planetary disasters.
- e) What are the various methods of mitigation of earthquakes?
- f) Explain the various causes Volcanoes.
- g) Distinguish between tropical cyclones and local storms.
- h) Explain the flood hazard status India.
- i) Define the term rehabilitation.
- j) What is an emergency stage in disaster management?

[2]  
[3]  
[2]  
[3]  
[2]  
[3]  
[2]  
[3]  
[2]  
[3]

#### **PART - B**

**(50 Marks)**

- 2.a) Explain the various hazards affecting the environment.
- b) Explain the human ecology and its application in geographical research.

[5+5]

**OR**

3. Explain the following in detail:

- a) Environmental stress
- b) Landscape approach.

[5+5]

4. Explain the various types of environmental hazards.

[10]

**OR**

5. Explain the different types of man induced disasters effecting the environment.

[10]

- 6.a) Explain the different types of endogenous hazards.

- b) Explain the various causes of earthquakes.

[5+5]

**OR**

- 7.a) Explain the impact of volcanic eruptions on environment.

- b) Explain the various hazardous effects of earthquakes.

[5+5]

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8. Explain in detail about the various types of exogenous disasters. [10]

**OR**

9.a) Explain the various drought control measures.  
b) What are the factors influencing the soil erosion and explain the different methods of conservation measures of soil erosion. [5+5]

10. Explain the various stages in the disaster management. [10]

**OR**

11. Explain in detail role of preparedness in disaster management. [10]

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**Code No: 126EC****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, May - 2017****DISASTER MANAGEMENT****(Common to AE, AG, AME, ECE, EEE, EIE, ETM, IT, ME, MIE, MSNT, PTM)****Time: 3 hours****Max. Marks: 75**

**Note:** This question paper contains two parts A and B.  
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A****(25 Marks)**

- 1.a) Define meteorological disaster? [2]
- b) List the causes of environmental pollution. [3]
- c) Give examples of natural disasters. [2]
- d) What is a nuclear hazard? [3]
- e) Mention different types of cyclonic disasters. [2]
- f) List worst draught affected states of India. [3]
- g) What are the different types of volcano? [2]
- h) List a few soil erosional causes and management. [3]
- i) Differentiate rescue and preparedness. [2]
- j) Discuss the different stages of relief process. [3]

**PART - B****(50 Marks)**

2. Explain in detail the aspects of environmental stress and management of the environment. [10]
- OR**
3. Explain different types of meteorological disaster. [10]
4. How the manmade hazards controlled and regulated? Discuss. [10]
- OR**
5. Discuss about Endogenous Hazards and Exogenous Hazards. [10]
6. Explain Human adjustment, perception and mitigation of earthquake in India. [10]
- OR**
7. Define Volcanism and discuss the causes and effects. [10]
8. Mention causes of draught and the mitigation measures. [10]
- OR**
9. Discuss different frequent and infrequent events in detail. [10]
- OR**
10. Discuss the different aspects of disaster mitigation through advanced technology. [10]
- OR**
11. Explain with a suitable case study the mitigation and management of cyclonic disaster. [10]

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Code No: 126EC

**R13**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, October/November - 2016**

**DISASTER MANAGEMENT**

**(Common to EEE, ME, ECE, CHEM, EIE, IT, AE, AME, MIE, PTE, MSNT, AGE)**

**Time: 3 hours**

**Max. Marks: 75**

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A**

**(25 Marks)**

- |       |  |     |
|-------|--|-----|
| 1. a) | Define Ecology?  | [2] |
| b)    | What are the different types of environmental hazards? | [3] |
| c)    | What is meant by planetary hazards?                    | [2] |
| d)    | Define physical and biological Hazards.                | [3] |
| e)    | Define Earthquake.                                     | [2] |
| f)    | What is meant by land slides? Explain.                 | [3] |
| g)    | What is local storms?                                  | [2] |
| h)    | Write down the environmental problems.                 | [3] |
| i)    | Define disaster management.                            | [2] |
| j)    | Define post-disaster stages.                           | [3] |

**PART - B**

**(50 Marks)**

- |           |  |      |
|-----------|--|------|
| 2.        | Explain briefly about the concept of environmental stress and disaster.                  | [10] |
| <b>OR</b> |  |      |
| 3.        | Explain clearly about landscape approach and perception approach of disaster management. | [10] |
| 4.        | Write a short note on man induced hazards briefly.                                       | [10] |
| <b>OR</b> |  |      |
| 5.        | Differentiate between endogenous hazards and exogenous hazards.                          | [10] |
| 6.        | What are the hazardous effects of volcanic eruptions? Explain.                           | [10] |
| <b>OR</b> |  |      |
| 7.        | Write down the causes and distribution of earthquake clearly.                            | [10] |
| 8.        | What are the causes of floods? Explain the flood control measures in brief.              | [10] |
| <b>OR</b> |  |      |
| 9.        | Differentiate the global sedimentation problems and regional sedimentation problems.     | [10] |
| 10.       | Explain briefly about pre-disaster stages.   | [10] |
| 11.       | Write a short note on emergency stage.   | [10] |

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**R13****Code No: 126EC****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, December - 2019****DISASTER MANAGEMENT****(Common to EEE, ME, ECE, IT, AME, MIE, PTM, AGE)****Time: 3 hours****Max. Marks: 75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each full question carries 10 marks and may have a, b, c as sub questions.

**PART - A****(25 Marks)**

- |      |  |     |
|------|--|-----|
| 1.a) | Define an ecosystem.   | [2] |
| b)   | What are the effects of natural disasters on environment?      | [3] |
| c)   | Write down the different types of man induced disasters.       | [2] |
| d)   | Explain the effects of planetary hazards.                      | [3] |
| e)   | What are the different causes of landslides?                   | [2] |
| f)   | What is the impact of volcanic eruptions on environment?       | [3] |
| g)   | What are the various conservation measures of soil erosion?    | [2] |
| h)   | What are the different causes of biological hazards?           | [3] |
| i)   | What is disaster management?                                   | [2] |
| j)   | What is the role of an emergency stage in disaster management? | [3] |

**PART - B****(50 Marks)**

- |           |   |       |
|-----------|---|-------|
| 2.a)      | Explain the classification of environmental hazards.              |       |
| b)        | Explain the various disasters affecting the environment.          | [5+5] |
| <b>OR</b> |   |       |
| 3.        | Describe the following in detail:                                 |       |
| a)        | Perception approach   |       |
| b)        | Environmental stress.   | [5+5] |
| 4.        | Explain the various types of environmental disasters.             | [10]  |
| <b>OR</b> |   |       |
| 5.        | Describe the different type of natural and man induced hazards.   | [10]  |
| 6.a)      | Explain the various methods of mitigation of earthquake hazards.  |       |
| b)        | Explain the various causes of earthquakes.                        | [5+5] |
| <b>OR</b> |   |       |
| 7.a)      | Explain the various endogenous hazards affecting the environment. |       |
| b)        | Explain the various causes of Volcanoes.                          | [5+5] |

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- 8.a) Explain the various types of chemical hazards.  
b) What are the causes of floods and explain the different methods of flood control measures. [5+5]

**OR**

- 9.a) What are the causes of tropical cyclones and local storms and also explain the steps to be adopted to mitigate the same.  
b) Explain the different types of exogenous hazards. [5+5]

10. Explain the various approaches in the disaster management. [10]

**OR**

11. Explain the significance of rehabilitation in the disaster management. [10]

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