

FACULTY OF ENGINEERING**B.E. 4/4 (Civil/EE/Inst./ECE/CSE/IT) II – Semester (Main) Examination,****May / June 2015****Subject: Disaster Mitigation and Management****Time: 3 Hours****Max.Marks: 75****Note: Answer all questions from Part A. Answer any five questions from Part B.****PART – A (25 Marks)**

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| 1 Differentiate between a Hazards and Disaster. | 2 |
| 2 What is hydro meteorological disaster? | 2 |
| 3 Explain the effects of floods. | 2 |
| 4 Identify the element at risk with respect to Cyclone. | 3 |
| 5 What are the causes of the forest fires? | 3 |
| 6 Discuss the role of GIS in DMM. | 2 |
| 7 Write about the different reasons for the major power breakdown in India. | 3 |
| 8 Explain the effects of floods. | 3 |
| 9 What is Vulnerability? | 2 |
| 10 What is the role of Remote Sensing in DMM? | 3 |

PART – B (5x10 = 50Marks)

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| 11 a) Explain the causes and effects of any two Hydro Meteorological based disasters. | 5 |
| b) Explain the objectives of International strategy for Disaster Risk Reduction. | 5 |
| 12 How disasters are classified, explain the Natural, Human Induced and Human made disasters. | 10 |
| 13 What are the objectives of goals and strategies of the ISDR? | 10 |
| 14 Define Earthquake. Also explain the causes and effects of earthquakes. | 10 |
| 15 Explain the characteristics of a Cyclone and the conditions necessary for the development of a cyclone. | 10 |
| 16 a) Describe the case study of Bhopal Gas Tragedy. | 5 |
| b) What are the implications of major power break downs? | 5 |
| 17 Write short notes on the following geographical based disasters: | 10 |
| 1) Avalanches | |
| 2) Tsunamis | |
| 3) Land slides | |