



**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY (MMUST)**

**MAIN**

**UNIVERSITY EXAMINATIONS**

**2015/2016 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER EXAMINATIONS**

**FOR THE DEGREE**

**OF**

**MASTERS OF SCIENCE IN DISASTER PREPAREDNESS AND ENGINEERING MANAGEMENT (DPEM/DMSD)**

**CODE: CDM806**

**COURSE TITLE: PREDICTION, MONITORING AND MANAGEMENT OF DISASTERS**

**DATE: 09/08/2016**

**TIME: 2.00PM – 5.00PM**

**INSTRUCTIONS TO CANDIDATE: Attempt ANY THREE (3) questions**

**MMUST observes ZERO tolerance in examination cheating**

**This Paper consists of 2 printed pages, Please Turn Over**

1. Describe the Disaster crunch model as a demonstration of disasters as the interface between natural hazards and vulnerable conditions. (20mks)
2. Discuss any FIVE (5) components of disaster preparedness. (20mks)
3. In a matrix form, illustrate the loss parameters for disaster risk analysis. (20mks)
4. Explain measures that an authority might consider in assembling an appropriate package for disaster mitigation. (20mks)
5. Explain the FIVE (5) key functions of the UN disaster management team. (20mks)