

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE AND ENGINEERING

DEPARTMENT OF GEOGRAPHY

MSc DISASTER RISK MANAGEMENT

MDR 509: DISASTER PREPAREDNESS AND EMERGENCY RESPONSE

EXAMINATION

TIME 3 HOURS

ANSWER ANY THREE QUESTIONS. USE ILLUSTRATIONS AND DIAGRAMS WHERE RELEVANT. MARKS FOR EACH QUESTION ARE INDICATED IN BRACKETS [].

1. Critically analyse the strengths and weaknesses of the professional model to disaster response and recovery management. [25]
2. Examine the additional information required in order to prepare for an imminent tropical cyclone in the eastern highlands of Zimbabwe. [25]
3. Design a flood warning message which will likely trigger effective response from rural communities with no access to internet. [25]
4. Critically analyse the factors influencing disaster-risk preparedness at the individual level. [25]
5. Explain how the following variables influence the preparedness of flood-prone communities:
 - a) response efficacy: [8]
 - b) self-efficacy [8]
 - c) response costs. [9]