

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**

**FACULTY OF SCIENCE**

**DEPARTMENT OF GEOGRAPHY**

**BACHELOR OF SCIENCE HONOURS DEGREE IN DISASTER MANAGEMENT  
STUDIES**

**DMG207: RISK ASSESSMENT TECHNIQUES**

**EXAMINATION**

**TIME 2¼ HOURS**

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

1. Discuss the importance of hazard risk and vulnerability assessments in disaster management in Zimbabwe. [25]
2. "Participation of local communities contributes to successful hazard risk and vulnerability assessment." React to this with reference to floods in Mbire and Muzarabani Districts in Zimbabwe. [25]
3. Explain the factors that determine household vulnerability to flood in any one district of your choice in Zimbabwe. [25]
4. With reference to a hazard of your choice, explain the stages that would be considered in its risk mapping. [25]
5. "GIS and remote sensing play a pivotal role in hazard risk and vulnerability assessment." Discuss [25]