

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE AND ENGINEERING

GEOGRAPHY DEPARTMENT

JAN 2025

MASTER OF SCIENCE DEGREE IN EDUCATION (GEOGRAPHY)

MGG502: ENVIRONMENTAL SYSTEMS AND HAZARDS

EXAMINATION

TIME: 3 HOURS

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

1. Discuss the role of international institutions in natural hazard risk management. (25)
2. Explain how poverty and affluence can play a role in increasing vulnerability to natural hazards. (25)
3. Environmental hazards should only be classified as natural and human. Discuss. (25)
4. (a). Describe and explain the various causes of floods. (10)
(b). Discuss the various steps that can be taken to prepare for major floods in Southern Africa. (15)
5. (a). Explain the relation between a hazard, a risk, an event and a disaster. (10)
(b). With reference to examples of natural hazards describe and explain why people continue to live in areas that are prone to hazards. (15)