BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE AND ENGINEERING

— OCT 2024

DEPARTMENT OF DISASTER RISK REDUCTION

BACHELOR OF SCIENCE HONOURS DEGREE IN DISASTER MANAGEMENT

DMG204: EARLY WARNING SYSTEMS

TIME 3 HOURS

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

1. Assess the characteristics of an effective flood early warning message. [25]
2. Examine the gaps and challenges in disseminating early warning information in Zimbabwe. [25]
3. Assess the role of the community in an early warning process. [25]
4. Examine the significance of GIS and Remote Sensing in early warning systems. [25]
5. Discuss the assertion that, 'The basic idea behind early warning is that the earlier and more accurately we are able to predict short and long-term potential risks associated with natural and human-induced hazards, the more likely we will be able to manage and mitigate disasters' impact on society, economies and the environment.' [25]

END OF EXAMINATION