BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACAULTY OF SCIENCE AND ENGINEERING

DEPARTMENT OF DISASTER RISK REDUCTION

BACHELOUR OF SCIENCE HOUNOURS DEGREE IN DISASTER MANAGEMENT SCIENCE

DMG 208: MANAGEMENT OF GEOPHYSICAL HAZARDS

EXAMINATION NOV 2024 **TIME 3 HOURS**

ANSWER ANY THREE (3) QUESTIONS. USE ILLUSTRATIONS AND DIADRAMS WHERE RELEVANT. MARKS FOR EACH QUESTION ARE INDICATED IN BRACKETS [ ].

1. Discuss, structural and non-structural measures that have been used with great success in mitigating tsunamis hazard. [25]
2. Human activities can directly or indirectly influence the occurrence and consequences of geophysical hazards, (Simth et al, 2019). Basing on this background, analyze the role of human activities in exacerbating geophysical hazards, giving examples, highlighting human induced hazards and their consequences. [25]
3. With reference to examples, evaluate the challenges and opportunities associated with geophysical hazard preparedness and response at community level. [25]

4. In relation to varied impacts of the 2004 Indian Ocean tsunami disaster, discuss the importance of public awareness and education in management of geophysical hazards. [25]

5. Explain the concept of vulnerability in the context of earthquake hazard and discuss factors contributing to increased vulnerability to earthquakes. [25]

END OF EXAMINITION