

**BINDURA UNIVERSITY OF SCIENCE EDUCATION  
FACULTY OF SCIENCE & ENGINEERING  
GEOSCIENCES DEPARTMENT**

**MASTER OF SCIENCE DEGREE IN DISASTER RISK MANAGEMENT (MSc.DRM) /  
MASTER OF SCIENCE DEGREE IN SUSTAINABLE DEVELOPMENT (MSc.SD)**

**MDR 508: DISASTER RESEARCH METHODS AND TECHNIQUES /  
MSD 506: RESEARCH METHODS**

**EXAMINATION**

JUN 2022

**TIME: 3 HOURS**

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

1. One MSc student presented her ideas on the research she wanted to carry out. She was fascinated by young girls aged 15years who were venturing into prostitution in a well-known mining town. The girls were risking contracting HIV/AIDS, sexually transmitted diseases as well as child pregnancy. Present your advice to the student on whether to proceed with the research or not bearing in mind your full knowledge of ethics in research. [25]
2. Any research can either use qualitative approach, quantitative approach or both (mixed research approach). Examine the circumstances leading to one selecting either one of these approaches. [25]
3. Sustainable Development Goals have been set to provide the general areas of focus in as far as development in the world in general is concerned. Considering one goal that is directly or indirectly related to your area of specialization, examine any FIVE Data collection instruments that could be used. [25]
4. Turkey and Syria have been hard hit by an earthquake early 2023 that have left over 40 000 people dead. Write a clear research proposal one would carry out in trying to inform the world about this natural disaster as well as sustainable development challenge. [25]
5. Data analysis is a critical stage in any type of research. For any tentative research topic, justify the data analysis methods you would consider as you carry out the research. [25]