



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF HERITAGE, HUMANITIES AND SOCIETAL ADVANCEMENT

DEPARTMENT OF DEVELOPMENT, PROGRAMMING AND MANAGEMENT

EXAMINATION PAPER

Master of Science in Development Studies

Part 1 Semester 1

COURSE CODE : MSDS 115
COURSE TITLE : Climate Change and Environment
Management
DURATION : 3 Hours
DATE : 10 JUN 2025

INSTRUCTIONS TO CANDIDATES:

1. Answer question **ONE** in **Section A** and any other **TWO** questions in **Section B**.
2. Each question carries 25 Marks.
3. Start each question on a new page of your answer sheet.
4. Use relevant examples or case studies in answering your questions

SECTION A

1. Mitigating climate change requires significant financial investment. However, cost-benefit analysis often places short-term economic growth over long-term sustainability. Discuss the economic trade-offs between climate mitigation and industrial development, providing recommendations on how governments can create policies that balance economic growth with climate sustainability.
2. Indigenous communities often have rich environmental knowledge that contributes to sustainable natural resource management. However, many are displaced due to conservation or development projects. Examine the ethical and policy challenges of balancing conservation efforts with indigenous rights, and propose solutions that integrate traditional knowledge into climate adaptation policies.

SECTION B

3. Many countries are exploring innovative approaches such as the circular economy, regenerative agriculture, and geoengineering to enhance climate resilience. Discuss both the benefits and risks of these emerging climate solutions and recommend the most viable for developing nations.
4. Civil society organisations and NGOs play a critical role in advocating for climate action, raising awareness, and holding governments accountable. Evaluate the effectiveness of NGOs in influencing climate policies, using real-world examples to highlight both their successes and limitations.
5. Technological advancements such as satellite monitoring, AI-driven climate modelling, and early warning systems are transforming climate response efforts. Assess the impact of technology on climate action, discussing both its advantages and the ethical challenges associated with data privacy and resource accessibility in developing countries.

THE END

10/0 AM