

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE
DEPARTMENT: ENVIRONMENTAL SCIENCE

PROGRAMME: SAFETY HEALTH AND ENVIRONMENTAL MANAGEMENT

COURSE CODE: ESM 116 INTRODUCTION TO ENVIRONMENTAL SCIENCE

DURATION: 2hrs

TOTAL MARKS: 70

INSTRUCTIONS TO CANDIDATES

 **OCT 2023**

Answer **THREE** questions out of the following five questions. You must answer question **ONE** from **SECTION A** and any **TWO** questions from **SECTION B**.

SECTION A (COMPULSORY)

1. Describe the different characteristics of a terrestrial ecosystem. [30marks]

SECTION B

2. Discuss the socio-economic and environmental impacts of veld fires in Zimbabwe [20marks]
3. The lack of a proper waste management system inevitably leads to environmental pollution. Discuss [20marks]
4. (a) Briefly describe what Environmental Management is and its impact on ensuring Sustainability. [10marks]
(b) Outline five objectives of the Environmental Management Act. [5marks]
(c) Explain the Precautionary Principle of Environmental Management [5marks]
5. Describe the consequences of the excessive greenhouse effect and possible solutions. [20marks]

End of Paper