

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**

 JUN 2023

INSTRUCTIONS TO CANDIDATES

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. (a) Outline the basic elements of a fire triangle. **[3marks]**
(b) With the aid of a table, describe the various classes of fire and the suitable fire extinguishing media for each. **[16marks]**
(c) Define a veld fire. **[1mark]**
(d) Describe how veld fires can be classified **[10marks]**

SECTION B

2. Describe and explain possible impacts of continued emissions of Carbon dioxide into the atmosphere. **[20marks]**
3. Explain any four major environmental problems faced in the world today and how those problems can be abated. **[20marks]**
4. (a) State any four environment management tools. **[4marks]**
(b) Explain how each tool can be used to effectively manage the environment. **[16marks]**
5. Discuss the sources, effects, and control measures for land resources pollutants in Zimbabwe. **[20marks]**

End of Paper