

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

Department of Environmental Science

ESM 415

Solid and liquid waste management

BSc SHEM Part IV Examination

JUN 2024

TIME: 2 HOURS (70 marks)

INSTRUCTIONS

Answer QUESTION ONE from SECTION A and any other two questions from SECTION B.
Question one carries 30 Marks and the rest 20 Marks each.

SECTION A (COMPULSORY)

1. Discuss with the aid of examples the factors that affect the generation of solid waste in your community (30).

SECTION B

2. Discuss the application of geo information science in waste management (20).
3. Discuss the effectiveness of convectional and non-convectional wastewater treatment methods (20).
4. Examine the importance of the 'R's in the achievement of sustainable municipal solid waste management.
5. Unsustainable waste management practices can contribute to climate change. Elaborate. (20)

END OF PAPER