

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**  
**FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE**  
**Department of Environmental Science**

**ESM 401 (2)**

**Industrial Epidemiology**  
**BSc SHEM Part IV Examination**

**TIME: 2 HOURS (70 marks)**

- JUN 2023

**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.

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**SECTION A (COMPULSORY)**

1. Discuss key epidemiological study designs which can be used to identify the causality relationship of chronic occupational illness at workplaces (30).

**SECTION B**

2. Discuss any 4 types of biases which can be encountered during an epidemiological study (20).
3. Explain legal steps which an organization must take in reporting an injury or occupational illness in Zimbabwe (20).
4. Explain the required medical examinations under the OHS laws in Zimbabwe (20).
5. Discuss the usefulness of Bradford Causality Hill in occupational epidemiology (20).

**END OF PAPER**

**EX0024B**