

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**BSC SAFETY, HEALTH AND ENVIRONMENTAL MANAGEMENT**

**ES 210 (2)**

**BSC PART II EXAMINATION**  
**Environmental Management Systems**

**2 HOURS**

**INSTRUCTIONS**

Answer question 1 and any two questions from Section B

JUN 2025

**SECTION A (COMPULSORY)**

1. (a) Define the following:

- |       |                                      |           |
|-------|--------------------------------------|-----------|
| i.    | Environmental Management system(EMS) | [2 Marks] |
| ii.   | Compliance                           | [2 Marks] |
| iii.  | Conformance                          | [2 Marks] |
| iv.   | ISO 14001                            | [2 Marks] |
| v.    | Legal register                       | [2 Marks] |
| vi.   | Impact register                      | [2 Marks] |
| vii.  | Continual improvement                | [2 Marks] |
| viii. | Aspect                               | [2 Marks] |
| ix.   | Impact                               | [2 Marks] |
| x.    | Environmental policy                 | [2 Marks] |
| xi.   | Documentation                        | [2 Marks] |

(b) Outline the Environmental management system cycle. [8 Marks]

**Section B**

2. Discuss the Deming's cycle as applied to EMS development and implementation. [20 Marks]
3. Discuss the merits of an Environmental Management system for an organization of your choice. [20 Marks]
4. Produce the following documents for an organization of your choice:
- |                      |           |
|----------------------|-----------|
| Aspects register     | [7 Marks] |
| Legal register       | [6 Marks] |
| Environmental Policy | [7 Marks] |
- (b) Explain why an EMS should also be applicable to small organisations. [10 Marks]
5. 'Environmental Management systems contribute in reducing environmental degradation'. Discuss. [20 Marks]

**END OF PAPER**