

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**  
**FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE**

**Department of Environmental Science**

**ESM 204**

**Safety Health and Environmental Auditing**

**BSc SHEM Part II 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. Kunaishe Engineering Pvt Ltd is an Agri-engineering and construction company which wants to implement Occupational Health and Safety Management System and Environmental Management System based on recent ISO standards. Develop a risk register for Kunaishe Engineering Company which can be used to meet requirements of ISO 45001 and 14001 standards (30).

**SECTION B**

2. (a). ISO 45001;2018 clause 4.2 Understanding the needs and expectation of interested parties is a critical step in ensuring success of an safety health management system. Why is it important to understand the needs and expectation of the interested parties (10).  
(b). For each of the following ISO 14001;2015 clauses please show two types of documented evidence that you will accept as an auditor during an audit at Kunashe Private Ltd.
  - a) Clause 6.1.2 Environmental Aspects( 2)
  - b) Clause 6.1.3 Compliance obligations (2)
  - c) Clause 9.1.2 Evaluation of compliance (2)
  - d) Clause 9.3 Management review (2)
  - e) Clause 10.2 Incident, non-conformity and corrective action (2)

3. (a). You are preparing an interview with top management at Kunashe Private Ltd for an ISO 45001;2018 audit. Please list at least 2 interview questions you will ask the top management to check conformity to the following clauses ;
- a) Clause 5.2 OHS Policy ( 2)
  - b) Clause 6.1.2.1 Hazard Identification (2)
  - c) Clause 6.2.1 OHS Objectives (2)
  - d) Clause 7.2 Competence (2)
  - e) Clause 7.5.2 Creating and Updating (2).
- (b). While auditing Kunashe Pvt Ltd construction division, one of the civil engineers asked your audit notes so that he can fully look into the non-conformities raised in detail and come up with strong corrective actions. As a team leader explain how you will respond to this situation and justify your answer (10).
4. Create an audit test plan for the following ISO 14001 clauses;
- a) Clause 5.3 Organizational roles and responsibilities (5)
  - b) Clause 7.3 Awareness (5)
  - c) Clause 7.4.1 General (5)
  - d) Clause 8.2 Emergency preparedness and response (5)
5. OSHAS 18001; 2007 and ISO 45001; 2018 are similar. Discuss (20)

**END OF PAPER**