

BINDURA UNIVERSITY OF SCIENCE EDUCATION

DEPARTMENT OF ENVIRONMENTAL SCIENCE

BSC SAFETY, HEALTH AND ENVIRONMENTAL MANAGEMENT
ESM 204

BSC PART II EXAMINATION

SAFETY HEALTH AND ENVIRONMENTAL AUDITING

2 HOURS

INSTRUCTIONS

Answer question 1 and any two questions from Section B

SECTION A (COMPULSORY)

1. (a) Develop a robust auditing programme for a mining company of your choice. Highlight major risks that can be encountered in implementation of that audit programme and show how you will manage those risks. [20 Marks]
(b) Explain information that an auditor can obtain to verify top management commitment in Integrated Management Systems. [8 Marks]

SECTION B

2. (a) With reference to examples, explain types of evidence that an Integrated Management Systems (IMS) Auditor can gather during an audit. [8 Marks]
(b) Develop an audit test plan for ISO 14001:2015 clause
 - (i) 5.1 [3 Marks]
 - (ii) 5.2 [3 Marks]
 - (iii) 6.3 [3 Marks]
 - (iv) 9.2 [3 Marks]
3. You have been requested to audit Freda Rebeca Gold Mine which is under Kuvimba Group. Develop interview questions you will ask to check if the following systems are in place:
 - (a) Risk management [4 Marks]
 - (b) Competency and training [4 Marks]
 - (c) Internal audit [4 Marks]
 - (d) Contractor management [4 Marks]
 - (e) Documentation control [4 Marks]
4. (a) While you are auditing Freda Rebecca you noticed that in November 2023, they were given a notice by Environmental Management Agency (EMA) due to some complaints on dust from local community. In response Freda Rebeca Gold mine responded to EMA in writing stating that they cannot control dust as it requires some changes in their process which cost a lot of money. They further claim that halting process will affect the business financial position of the organization and have requested to have 5 years to save money and buy required technology and implement process changes which will result in effective

dust control. Current actions to be taken include seeking a consultant to come and develop an Environmental Management Plan which will be submitted by January 2024. Although EMA did not respond the Safety Health Manager notify the auditor that EMA rejected Freda Rebeca proposal and there is stagnation on the issue. In corroborating the issue you notice that there are 10 complaints on issues of dust, noise and vibration logged in the complaints book between August 2023 to December 2023. Based on this situation as an auditor determine if there is an audit finding worthy recording. Fill in auditing findings form and justify your answer **[10 Marks]**

(b) While auditing at Freda Rebeca Gold mine, the General Manager offered you an employment contract to a position of Systems Manager which high salary package and other benefits. In return the General Manager is requesting that you remove some of the non-conformities raised in your findings and in other auditors' findings during the audit process. However, this deal is between you and the General Manager other auditors should not be aware of such an arrangement. As an auditor how will you respond in this situation and justify your answer based on ISO 19011:2018 **[10 Marks]**

5. Develop a checklist that can be used by an auditor who is assigned to audit ZIMPHOS to check compliance with ISO 45001:2015 **[20 Marks]**

END OF PAPER