

Minerals Council South Africa



EXAMINATION PAPER

SUBJECT: CHAMBER OF MINES OF SOUTH AFRICA - CERTIFICATE IN MINE ENVIRONMENTAL CONTROL PAPER 6 – THE MINE HEALTH AND SAFETY ACT REGULATIONS SUBJECT CODE: COMMEC6 EXAMINATION DATE: 15 OCTOBER 2019 TIME: 08:30 – 10:30	EXAMINER: N B LETLAPE MODERATOR: R McIntyre TOTAL MARKS: [100] PASS MARK: (60%)
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NUMBER OF PAGES: 3
SPECIAL REQUIREMENTS: 1. ANSWER ALL THE QUESTIONS 2. This is an <u>OPEN BOOK EXAM</u> . References, including guidance notes, guidelines for mandatory codes of practices, the Mine Health and Safety Act and Regulations and Regulations in force in terms of Schedule 4 of the Mine Health and Safety Act are permitted. NO PREVIOUS EXAMINATION QUESTIONNAIRES WILL BE ALLOWED. 3. Put your ID number on the outside cover of each book used, and on any graph paper or other loose sheets handed in. NB: YOUR NAME MUST NOT APPEAR ON ANY ANSWER BOOK OR LOOSE SHEETS. 4. Write in ink on the right hand page only – the left hand page <u>will not</u> be marked. 5. Illustrate your answers by means of sketches or diagrams wherever possible. 6. Please quote all the relevant regulation numbers. 7. Keep your answers short and to the point, it is not necessary to provide word-perfect reproductions of the regulations. In many cases a single word or phrase will suffice. 8. Please note that you are not allowed to contact your examiner or moderator regarding this examination. 9. Cell phones are NOT allowed in the examination room.

QUESTION 1**1.1 Define the following in terms of the Mine Health and Safety Act:**

1.1.1 "Biological monitoring"

1.1.2 "Inspector of Mines".

1.1.3 "Health and safety standard".

1.1.4 "Occupational hygiene".

1.1.5 "Ventilation district".

(10)

1.2 Mine legislation requires an employer to provide health and safety training.

Discuss

(15)

[25]

QUESTION 2

2.1 Mine Health and Safety Act Section 12 appointment requires an employer to conduct occupational hygiene measurements. Discuss. (6)

2.2 You are the competent person appointed in terms of the Act as stated in question 2.1 above. What must you report to:

2.2.1 The employer? (5)

2.2.2 The regional Principal Inspector? (4)

2.3 According to Mine Health and Safety Legislation the minister may prohibit or restrict work. Discuss. (8)

2.4 How do the Authorities view hindering administration of the Mine Health and Safety Act? (2)

[25]

QUESTION 3

- 3.1 What are the legislative frame work requirements regarding Health and Safety representatives and committees at the mines. (5)
- 3.2 Every employer, after consultation with the health and safety committee at a mine, must determine effective procedures for the general exercise of the rights of an employee to leave a workplace should circumstances arise at his place of work which appear to the employee to be a danger to his safety or health. What must these procedures provide for? (10)
- 3.3 As a competent person appointed in terms of Section 12.1 of the Mine Health and Safety Act, how would you advise your employer regarding preparation and implementation of a Code of Practice? (10)
- [25]**

QUESTION 4

Answer the following questions based on the DMR Mine Health and Safety Inspectorate - Guideline for the compilation of a Mandatory Code of Practice for Emergency Preparedness and Response:

- 4.1 State the objective of the guideline. (4)
- 4.2 Define:
- 4.2.1 Emergency.
 - 4.2.2 MHSA.
 - 4.2.3 Place of safety. (6)
- 4.3 Describe the construction and design of refuge bays (10)
- 4.4 List (do not discuss) the supportive objectives of an emergency control centre. (5)

[25]

Total Marks: 100