



**mineral resources  
& energy**

Department:  
Mineral Resources and Energy  
REPUBLIC OF SOUTH AFRICA

## **MINE ENGINEER'S CERTIFICATE OF COMPETENCY EXAMINATION**

### **MINES AND WORKS LEGAL KNOWLEDGE**

**DATE: 16 NOVEMBER 2023**

**TOTAL MARKS: 100**

**TO PASS: 50**

**TIME ALLOWED: 3 HOURS (09H00 to 12H00)**

#### **INSTRUCTIONS:**

- **ALL** questions must be answered.
- This question paper consists of **FOUR** pages including cover page
- All answers are to be presented in a neat and readable manner. Papers will not be marked if not readable.
- Restrict the use of highlighters.
- Do not use a red pen.
- Read the instructions on the front page of your answer book carefully.
- No cellular phones and any other related devices shall be allowed in the examination venue.
- The use of computers, laptops and any other related devices is prohibited.

### **Question 1**

Definitions:

- a) Workings (2)
- b) Car (2)
- c) Authorised person (2)
- d) Engine (2)
- e) Static test (2)

[10]

### **Question 2**

- a) In terms of Section 26, Negotiations, and consultations before appointment of representatives: -

Besides negotiations concerning the designation of workplaces, there are another twelve matters to be negotiated with the representative trade union before the appointment of representatives at the mine.

Give ten of these matters [10]

### **Question 3**

- (a) Which accidents must be reported immediately by the quickest means available?  
(7)
- (b) When must every employer conduct an investigation? (3)

[10]

#### **Question 4**

- a) What are the requirements of the Mine Health and Safety Act with regard to the appointment of a manager? (5)
- b) What is the maximum period that an employee is permitted to work in or at a mine in any continuous period of 24 hours? (5)

[10]

#### **Question 5**

Describe the rights and powers of safety representatives with respect to:

- (a) Employees (2)
- (b) Documents (1)
- (c) Matters affecting health and safety of employees (1)
- (d) Technical experts (1)
- (e) Meetings of health and safety committees (1)
- (f) Audits (1)
- (g) Accidents (2)
- (h) Inspections (1)

[10]

#### **Question 6**

In terms of Section 22 of the Mine Health and Safety Act, state any five employees' duties with respect to health and safety. [10]

#### **Question 7**

Name the five instances with regard to boilers where the manager has to give written notification to the Principal Inspector of Mines [10]

### **Question 8**

(a) In terms of Regulation 3.23, when dealing with flexible cable or trailing cable:

When may a flexible cable or trailing cable be used? (6)

(b) Define: Trailing Cable (4)

[10]

### **Question 9**

Scraper Winch and Mono-Rope Installation are regulated in section 8.4.

Mention any five measures to be taken by the employer in terms of Regulation 8.4(1) to ensure that they are operated safely. [10]

### **Question 10**

(a) What are the causes of any four-machinery failure that the employer must take reasonably practicable measures to prevent persons from being injured from at the mine? (8)

(b) How many safety valves must be fitted to the air receiver? (2)

**Total = 100 Marks**