



**mineral resources**

Department:  
Mineral Resources  
REPUBLIC OF SOUTH AFRICA

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

## **MINING LEGISLATION**

**DATE: 02 MAY 2017**

**TOTAL MARKS: 100  
TO PASS: 60**

**TIME ALLOWED: 2 HOURS  
(12h30 to 14h30)**

**NOTE:**

- This question paper consists of **FIVE** pages including cover page.
- All questions must be answered.
- All answers and sketches to be presented in a neat and decipherable manner. Papers will not be marked if not decipherable.
- 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 shall be allowed in the examination venue.
- The use of computers, laptops and palmtops is prohibited.

**PART A – THE MINE HEALTH AND SAFETY ACT, 1996 (ACT 29 OF 1996)  
AS AMENDED AND RELEVANT REGULATIONS**

**QUESTION 1**

As far as reasonably practicable, every employer is required to staff a mine with due regard to health and safety. State the requirements of the above Act in this regard.

[10 marks]

**QUESTION 2**

In terms of the “Definitions” in this Act, define the following:

- (a) “Chief Inspector of Mines” (2 marks)
- (b) “employer” (1 mark)
- (c) “hazard” (1 mark)
- (d) “manager” (1 mark)
- (e) “owner”, in relation to a mine (6 marks)
- (f) “risk” (1 mark)

[12 marks]

**QUESTION 3**

Define “Light-Metal in terms of Chapter 10 of the Regulations of the above-mentioned Act.

[8 marks]

**PART B – REGULATIONS REGARDING SURVEYING, MAPPING AND MINE PLANS**

**CHAPTER 17 OF THE MINE HEALTH AND SAFETY ACT REGULATIONS (AS AMENDED)**

**QUESTION 4**

Define the following in terms of the above Regulations

(a) “bedded mineral deposit” (4 marks)

(b) “Director: Mine Surveying” (1 mark)

(c) “workings” (3 marks)

[8 marks]

**QUESTION 5**

State the requirements of the Regulations regarding the appointment of a competent person under Regulation 17(2)(a) at two or more mines.

[4 marks]

**QUESTION 6**

When a person other than an employer, wishes to erect buildings close to the workings of a mine, certain precautionary measures, written comment or approval are required. State the requirements of the relevant Regulations in this regard.

[11marks]

**QUESTION 7**

As the competent person in charge of surveying, mapping and mine plans at a mine where two bedded mineral deposits, 38 metres apart are being mined underground. The strike of the two bedded mineral deposits is 62 degrees north-east and both dip at 60 degrees in a south-east direction. You are responsible for the accurate construction of the mine prescribed plans.

(a) Name the prescribed plans required to be kept in terms of the Regulations.

(6 marks)

**QUESTION 7 cont.**

- (b) What areas must be covered by these plans? (2 marks)
  - (c) To what scale must these plans be drawn? (3 marks)
  - (d) What are the requirements of the Regulations with regard to the updating of these plans? (2 marks)
  - (e) What do the Regulations prescribe with regard to the Departmental Copies of these prescribed plans? (4 marks)
- [17marks]

**PART C – THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT NO 28 OF 2002) AND REGULATIONS, (AS AMMENDED, 2008)**

**QUESTION 8**

In terms of the “Definitions” in this Act, define the following:

- (a) “Competent person” (4 marks)
  - (b) “Interested and affected person” (3 marks)
  - (c) “Produced water” (3 marks)
- [10 marks]

**QUESTION 9**

- (a) In terms of the above-mentioned Act, a mining permit may only be issued under certain conditions. What are these conditions? (3 marks)
  - (b) For what period is a mining permit valid and for how many periods may it be renewed? (3 marks)
  - (c) Briefly list the instances when any right, permit, permission or license granted or issued in terms of the above Act, will lapse. (6 marks)
- [12 marks]

**QUESTION 10**

- (a) To whom must an application for a prospecting permit be made and where must it be lodged?

(2 marks)

- (b) Within what period must the applicant be notified in writing whether the application for a prospecting right is accepted or does not comply?

(1 mark)

- (c) State the requirements of the Act with regard to the removal of buildings, structures and other objects when any prospecting right, mining right, retention permit, mining permit lapses or when any prospecting or mining operation is cancelled or comes to an end.

(5 marks)

[8 marks]

**TOTAL 100 MARKS**