



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

MINE SURVEYOR'S CERTIFICATE OF COMPETENCY EXAMINATION

MINING LEGISLATION

DATE: 09 OCTOBER 2013

TOTAL MARKS: 100

TO PASS: 60

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

NOTE:

- This question paper consists of **FOUR** 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 is 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

When will any person, other than an employer, fail to comply with the provisions of the above Act?

[10 marks]

QUESTION 3

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

[10 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)
- b) “Director: Mine Surveying” (1)
- c) “workings” (3)

[8 marks]

-3-/ QUESTION 5

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

- a) When a person other than an employer wishes to erect buildings close to the workings of a mine, certain precautionary measures are required. State the requirements of the regulations in this regard. (6)
- b) What further compliance with the regulations is required before such building takes place? (5)

[11 marks]

QUESTION 7

As the competent person in charge of surveying, mapping and mine plans at a mine where two bedded mineral deposits, 40 metres apart and both dipping at 30 degrees, are being mined underground, you are responsible for the construction of accurate mine plans.

- a) Name the prescribed plans required to be kept in terms of the regulations. (6)
- b) What areas must be covered by these plans? (2)
- c) To what scale must these plans be drawn? (3)
- d) What are the requirements of the regulations with regard to the updating of these plans? (2)
- e) What do the regulations prescribe with regard to the Departmental Copies of the prescribed plans? (4)

[17 marks]

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

QUESTION 8

- a) To whom must an application for a prospecting right be lodged and where must it be lodged? (2)
- 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)
- c) If the application for a prospecting right is accepted, what further information is required to be submitted? (3)
- d) If a prospecting right is granted, when must the holder thereof commence with prospecting activities? (2)
- e) In terms of the above-mentioned Act, what information must be included in an application for the renewal of a prospecting right? (7)
- f) For what period may a prospecting right be renewed? (1)

[16 marks]

QUESTION 9

In accordance with the requirements of the above-mentioned regulations regarding mine closure, the holder of a prospecting right, mining right, retention right or mining permit must ensure that the six (6) principles for mine closure are complied with. Briefly describe these principles.

[8 marks]

QUESTION 10

State the requirements of the above-mentioned regulations with regard to blasting, vibration and shock management control.

[6 marks]

TOTAL 100 MARKS