



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

MINE SURVEYOR'S CERTIFICATE OF COMPETENCY EXAMINATION

MINING LEGISLATION

DATE: 10 April 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 answers to be presented in a neat and legible manner. Papers will not be marked if not legible.
- 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

- a) After completion of an investigation into every accident, serious illness or health-threatening occurrence that must be reported upon in terms of the above-mentioned Act, a report is prepared. State the detail required in this report. (5)
- b) To whom and when must a copy of the above report be delivered? (4)
- c) Define “health-threatening occurrence” in terms of the above-mentioned Act. (2)

[11 marks]

QUESTION 2

Describe the necessary measures every employer must determine in order to assess and respond to risks, after consulting with the health and safety committee at a mine.

[7 marks]

QUESTION 3

The person presiding at an inquiry has certain designated powers in terms of the provisions of the Act. State these powers.

[7 marks]

QUESTION 4

In terms of relevant regulations of the above-mentioned Act, what are the requirements, with regard to the protection of any working place against the ingress of water or any fluid material?

[7 marks]

PART B – REGULATIONS REGARDING SURVEYING, MAPPING AND MINE PLANS

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

QUESTION 5

Define the following in terms of the above regulations:

- a) “professional geotechnical specialist” (4)
- b) “competent person” in the case of a surface mine where blasting does not take place. (8)

[12 marks]

QUESTION 6

In terms of regulation 17(6) the employer of a mine must ensure that the competent person, referred to in regulation 17(2)(a) must in writing notify the employer of any workings being advanced. Describe this notification in detail.

[13 marks]

QUESTION 7

Describe fully the requirements of the regulations with regard to the minimum standard of accuracy for the fixing of survey stations on both the horizontal and vertical planes.

[8 marks]

QUESTION 8

What do the regulations prescribe with regard to accurate representation on plan?

[7 marks]

QUESTION 9

Before a mine is abandoned, closed or rendered inaccessible, the regulations prescribe certain procedures pertaining to plans brought up to date. What are the procedures where the surface has been disturbed by mining?

[5 marks]

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

QUESTION 10

In terms of the above-mentioned Act, under what circumstances may the Minister cancel or suspend any reconnaissance permission, prospecting right, mining right, mining permit or retention permit?

[5 marks]

QUESTION 11

State the powers the Minister has, in terms of the above Act, to prohibit or restrict prospecting or mining.

[8 marks]

QUESTION 12

In terms of the regulations of the above-mentioned Act, define “competent person.”

[6 marks]

QUESTION 13

What are the duties/responsibilities of the holder of a coal mining right, in terms of the regulations of to the above Act, with regard to fire prevention in respect of the deposition of coal debris and bituminous rock, and the combustion of coal residue stockpiles or rock.

[4 marks]

TOTAL : 100 MARKS