

**REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF MINERAL RESOURCES
EXAMINATION FOR THE MINE SURVEYOR'S CERTIFICATE OF
COMPETENCY**

Date: 10 October 2012
Time: 12:30 – 14:30 (2 hours)

**Total Marks 100
To Pass 60**

MINING LEGISLATION

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

QUESTION 1

As an employee at a mine you have certain duties towards health and safety in terms of the Act. Describe in your own words what these duties are.

[10 marks]

QUESTION 2

State the provisions of the Act with regard to:

- a) breach of confidence. (4)
- b) hindering administration of the Act. (2)
- c) falsifying of documents. (4)

[10 marks]

QUESTION 3

Define “hazardous location” in terms of Chapter 10 of the Regulations of the above-mentioned Act with regard to underground coal mines.

[10 marks]

-2- / PART B

PART B – REGULATIONS REGARDING SURVEYING, MAPPING AND MINE PLANS

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

QUESTION 4

- a) Who must be notified regarding the appointment of a competent person to be in charge of surveying, mapping and mine plans at a mine? (1)
- b) Within what period must such notification be made? (1)
- c) What must such notification include? (3)

[5 marks]

QUESTION 5

What are the requirements of the regulations regarding:

- a) Units of measure? (2)
- b) Datum Plane (Mining on land)? (4)
- c) Back up and storage of data? (3)

[9 Marks]

QUESTION 6

- a) What do the regulations prescribe regarding boundary pillars to be left standing (in situ) at every mine? (6)
- b) What procedures must be followed by an employer if it is required to work or cut through any portion of its mine boundary pillar where the employer of the adjacent mine cannot be traced or found? (2)

[8 marks]

QUESTION 7

With regard to plans of workings to be kept in terms of the regulations:

- a) What further information, excluding the detail that is required to be depicted on all prescribed plans, must be shown on the plans of workings? (10)
- b) In the case of underground mines where a bedded and multiple bedded mineral deposits are worked, what plans of workings that are required to be kept? (5)
- c) To what scale must plans of workings be drawn? (2)
- d) How often is it required that these plans must be updated? (1)

[18 marks]

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

QUESTION 8

Define “prospecting” in terms of the above-mentioned Act.

[8 marks]

QUESTION 9

Once the Regional Manager is satisfied that all the required information regarding an application for a prospecting right has been received, the application, together with the relevant information, must be forwarded to the Minister for consideration. The Minister will only grant the prospecting right if certain requirements of the Act have been complied with.

- a) Name these requirements. (9)
- b) When does the granting of a prospecting right become effective? (1)

[10 marks]

-4-/QUESTION 10

QUESTION 10

An application for any permission, right or permit in terms of the above-mentioned Act must be accompanied by a plan of the land to which the application relates. In terms of the regulations of the Act what detail must be contained on this plan?

[5 marks]

QUESTION 11

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

[7 marks]

TOTAL 100 MARKS