

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

**Date:** 15 April 2010 (Thursday)  
**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**

**QUESTION 1**

State the objects of the above-mentioned Act.

[12 marks]

**QUESTION 2**

Describe the procedures and/or measures every employer is required to implement in order to ensure, as far as reasonably practicable, that every employee is properly trained in health and safety.

[8 marks]

**QUESTION 3**

Define the following in terms of the above-mentioned Act:

- (a) “hazard” (2)
- (b) “reasonably practicable” (6)
- (c) “risk” (2)

[10 marks]

## PART B – MINE SURVEYING REGULATIONS

### QUESTION 4

In terms of the provisions of the above-mentioned regulations, the employer of a mine has certain safety precaution responsibilities which the competent person appointed in charge of surveying, mapping and mine plans, must be made aware of with regard to the workings of a mine. In this regard what do these safety precautionary responsibilities entail?

[10 marks]

### QUESTION 5

- a) Define “survey station” in terms of the above-mentioned regulations. (1)
- b) What are the requirements of the regulations with regard to survey stations? (4)
- c) State the details to be shown on all plans required to be prepared in terms of the regulations. (10)
- d) State the detail required to be shown in the inventory of all prescribed mine plans. (5)

[20 Marks]

### QUESTION 6

What information, excluding the detail that is required to be shown on all prescribed plans, must be shown on the surface plan prepared in terms of the regulations?

[10 marks]

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

**QUESTION 7**

- a) Define “topsoil” in terms of the above-mentioned Act. (5)
- b) In terms of the above-mentioned Act, what information must be included in an application for the renewal of a prospecting right? (7)
- c) For what period may a prospecting right be renewed? (1)
- d) Briefly describe the instances when any right, permit, permission or licence, granted or issued in terms of the above-mentioned Act, will lapse. (5)

[18 marks]

**QUESTION 8**

Before the holder of a prospecting right, mining right, retention permit or mining permit can apply for a closure certificate, it is required, in terms of the regulations, that a closure plan, which forms part of the environmental management plan, be completed. Briefly describe eight (8) requirements of this closure plan.

[8 marks]

**QUESTION 9**

What are the duties/responsibilities of the holder of a coal mining right, in terms of the regulations, with regard to fire prevention in respect of:

- a) the deposition of coal debris and bituminous rock? (3)
- b) the combustion of coal residue stockpiles or deposits? (1)

[4 marks]

**TOTAL 100 MARKS**