

**REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF MINERALS AND ENERGY
EXAMINATION FOR THE MINE SURVEYOR'S CERTIFICATE OF COMPETENCY**

Date: 13 October 2005 (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

- a) Describe in your own words how the Chief Inspector of Mines is appointed. (5)
- b) State seven (7) functions of the Chief Inspector of Mines. (7)
- b) Describe in your own words how the Chief Inspector of Mines must initiate an investigation on a mine. (8)

(20 marks)

QUESTION 2

- a) State five (5) duties of any employee towards safety and health at a mine. (5)
- b) An employer must ensure that proper training towards health and safety is provided to every employee. State five (5) of these measures. (5)

(10 marks)

PART B – MINE SURVEYING REGULATIONS

QUESTION 3

As the appointed competent person in charge of Mine Surveying at an underground Colliery where the No. 1 coal seam is mined extensively you are required to liaise with your employer who recently acquired the right to mine the No. 1 seam of the adjacent property where only the No. 2 coal seam was mined and the owner cannot be traced.

Compile a report to your employer regarding the legal obligations to mine through the boundary on the No.1 seam (30 meters below the No. 2 seam) under the following headings:

- a) Boundary Pillars (4)
- b) The undermining of surface structures (6)
- c) Workings advancing towards other excavations (5)
- d) Ground movement of the surface (4)
- e) The erection of structures over undermined ground (6)

(25 marks)

QUESTION 4

What are the requirements of the regulations regarding the keeping of:

- a) Departmental copies of plans. (9)
- b) A General Surface Plan (describe in detail) (10)

(19 marks)

PART C – THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 AND REGULATIONS.

QUESTION 5

- a) When must a person who wishes to mine a mineral, apply for a mining permit and not a mining right? (3)
- b) State seven (7) requirements which must be addressed in an application for a mining right to the Minister? (7)
- c) When may the Minister cancel a mining right? (4)
- d) In respect of which land may a mining right not be issued? (4)
- e) When may the holder of a mining right give notice to the Board regarding profitability and curtailment of mining operations and which criteria must be addressed in the notification? (8)

(26 marks)

TOTAL 100 MARKS