

# **SYLLABUS FOR THE BASIC MINE SAMPLING CERTIFICATE**

## **METALLIFEROUS OPTION**

### Examination Conditions

The examination will consist of a practical and a theoretical section.

To pass the examination, the candidate must obtain a minimum of 75% and 60% for the practical and theoretical sections respectively.

#### 1. Practical section

The candidate must be able to:

- 1.1 sample a stope face;
- 1.2 compile stope sampling records;
- 1.3 observe mine safety rules;
- 1.4 receive and give instructions;
- 1.5 read a mine plan for orientation purposes.

#### 2. Theoretical section

The candidate must be able to:

- 2.1 state the main objective of sampling;
- 2.2 describe the meaning of the following terms:

reef, ore, waste, conglomerate, reef width, internal waste (parting), exterior waste width, channel width, stope width, hanging-wall, foot-wall, bedding

place, strike, dip, faults, (dip and strike faults, dykes, value (grams per ton, centimetre-gram/ton), square metres, ton stope, development end;

- 2.3 list the equipment required for stope face sampling;
- 2.4 describe the procedures to be followed before, during and after stope face sampling;
- 2.5 state the purpose and importance of stope sampling records;
- 2.6 answer questions on the practical application of the Mine Health and Safety Act and various Regulations:

Sections of the Act: 22, 23, 87, 88, 89 and 91

Regulations:

17(1) Definition of: "Fluid material", "Hazardous services", "Restricted area", "Workings"

17(14)(a), 17(14)(b)(iii), 17(14)(b)(iv) and 17(14)(b)(v).