

Coal Mining Act 1925-1969

Examination for

MINE SURVEYOR'S CERTIFICATE

(Limited to Open-Cut Mines)

Paper I

Monday, 3rd December, 1973, 9.30 a.m. to 12.30 p.m.

Attempt every question.

All questions have equal value.

Show all calculations.

Chamber's Mathematical Tables, protractors, scales, drawing instruments and slide rules (where applicable) may be used.

The use of calculating machines is not permitted at the examination.

- (1) With reference to the "Coal Mining Act 1925-1969" and Regulations thereunder, state -
  - (a) under what circumstances is the period between statutory surveys permitted to be extended? What is the maximum extension allowable?
  - (b) the scales of plans to be kept at the mine office. In your answer include ventilation, permanent electrical plant, etc.
  - (c) the qualifications of a person who is authorised to carry out statutory surveys in an open-cut mine.
- (2) Having regard for the "Open-Cut Coal Mines Rules of 1964" and the "Open-Cut Coal Mines Special Rules (Maintenance of Order and Discipline) of 1964", explain the following:
  - (a) Standards required with respect to grids used in mine plans;
  - (b) The responsibilities of Mine Surveyors;
  - (c) What colour code is used to define the boundaries of Coal Mining Leases?
  - (d) What standard is required regarding levels shown on mine plans?
- (3) Insert the missing figures and check your results. Rebook all the figures by the Rise and Fall method and state the advantage of this method of booking.

BS	IS	FS	Ht of Inst	R.L.	Remarks
			850.64	846.28	O.B.M.
	6.14				
				847.55	
10.28		1.22		849.42	
	9.07				
	4.31			855.39	
				857.44	T.B.M.