



# education

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Department:  
Education  
**REPUBLIC OF SOUTH AFRICA**

## **NATIONAL SENIOR CERTIFICATE**

**GRADE 11**

**GEOGRAPHY P2**

**EXEMPLAR 2007**

**MEMORANDUM**

**This memo consists of 3 pages.**

**QUESTION 1**

- 1.1 A 2820CC
- 1.2 D permanent
- 1.3 B farmhouse
- 1.4 D 665
- 1.5 B 28°36'05" S/20° 17' 50" E
- 1.6 C periodic rivers
- 1.7 A spur
- 1.8 D the river is widening
- 1.9 A hiking trail
- 1.10 A westwards 10x2

**QUESTION 2**

- 2.1
  - 2.1.1 resistant 1x2(2)
  - 2.1.2 plunge-pool 1x2(2)
  - 2.1.3 a transverse bar of resistant rock across the river's course (2) / erosion cuts through the resistant rock at the given point (2) / non-resistant rock eroded (2) / water falls down vertical slope (2) Any 3 3x2(6)
  
- 2.2
  - 2.2.1 horizontal photo/high angle/ terrestrial photograph 1x2(2)
  - 2.2.2 advantage: normal viewpoint / large scale / easy to identify objects  
disadvantage: only small area photographed / cannot see behind the objects 1x2(2)
  - 2.2.3 48-52 mm x 0,5 metres = 24-26 meters 2x2(4)
  
- 2.3
  - 2.3.1 non-perennial 1x2(2)
  - 2.3.2 low 1x2(2)
  - 2.3.3 gentle 1x2(2)
  
- 2.4
  - 2.4.1 cultivated lands (2) / orchards and vineyards / crop farming / fruit farming 1x2(2)
  - 2.4.2 intensive 1x2(2)  
small plots of land (2) / land used intensively (2) / availability of water (2) irrigation possibility (2) fertile soil (2) Any 3 3x2(6)
  - 2.4.3 canal / furrow 1x2(2)
  - 2.4.4 fertile land (2) / rich alluvial soil (2) / flat land (2) / enough water (2) use of machinery / access to transport. Any 2 2x2(4)
  
- 2.5
  - gradient = vertical interval : horizontal equivalent 1x2(2)
  - 5m : 40 mm x 10 1x2(2)
  - 1 : 80 1x2(2)

NSC  
MEMORANDUM

2.6	2.6.1	vertical photo focal points/middle part of a vertical photo/fuditial marks	1x2(2)
	2.6.2	90°	1x2(2)
2.7	2.7.1	waterfalls (2) / indigenous plants (2) / geomorphological features eg. rocks, cliffs, gorges, potholes (2) / wildlife (2) Any 2	2x2(4)
	2.7.2	thick bulb / small leathery leaves / waxy surfaced leaves / hairy leaves / thick leaves / pulpy / with bulbs / deep root system Any 2	2x2(4)
2.8	2.8.1	Trig. station	1x1(1)
	2.8.2	secondary road	1x1(1)
	2.8.3	cultivated lands / farm	1x1(1)
	2.8.4	track / hiking trail	1x1(1)
2.9	2.9.1	raster data vector data	2x2(4)
	2.9.2	a) Data acquisition: The process of collecting data b) Remote sensing: Gathering of information about the earth with any instrument used remotely. c) Data pre-processing: Preparing data for computer use d) Data processing: Analysing and using data that has been put in the computer.	4x2(8)
2.10	Spatial data is the information about where on the earth's surface a feature is, while non-spatial data is statistics and measurements linked to places		2x2(4)

**[100]**