

**GAUTENG DEPARTMENT OF EDUCATION
SENIOR CERTIFICATE EXAMINATION**

**GEOGRAPHY HG
(Second Paper: Map and Aerial
Photograph Interpretation)**

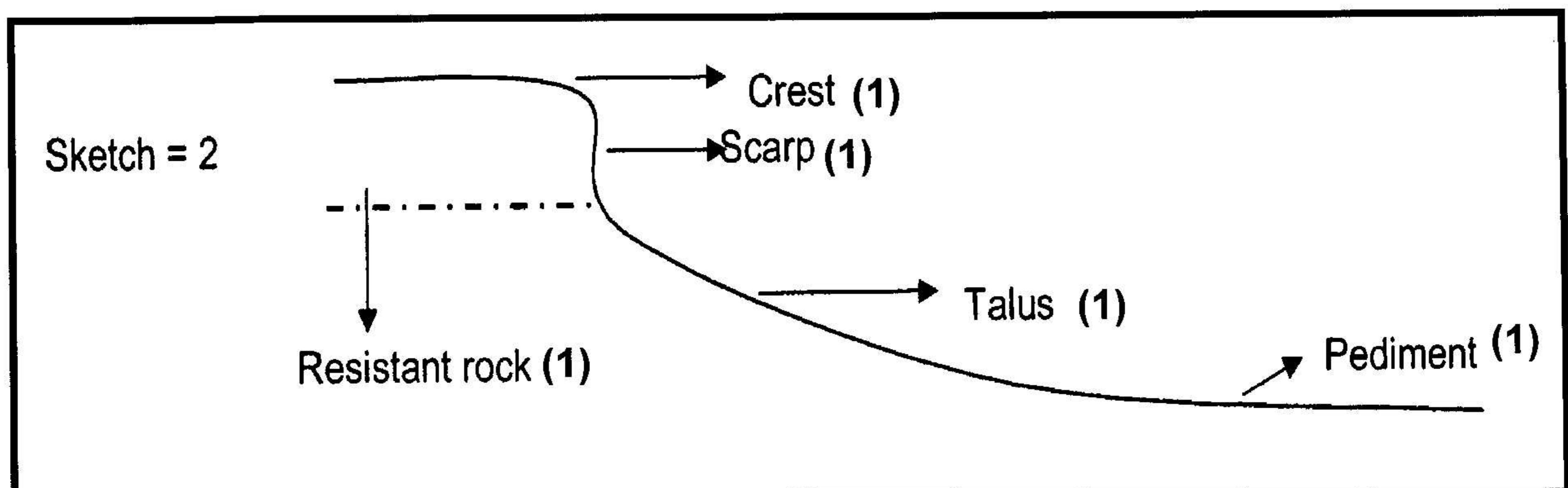
Possible Answers March 2006

QUESTION 1

- | | | | |
|-----|---|-----------------------|-------------|
| 1.1 | Drakensberg | | (2) |
| 1.2 | A – Swaziland (1)
C – Mozambique (1) | | (2) |
| 1.3 | B – Eastern Cape (1)
D – Free State (1) | | (2) |
| 1.4 | Pretoria, Witwatersrand, Vereeniging (1)
Durban-Pinetown (1) | <u>Complete names</u> | (2) |
| 1.5 | Tugela | | (1) |
| 1.6 | Tugela-Vaal Scheme / Drakensberg Scheme | | (1) |
| | | | [10] |

QUESTION 2

- 2.1 2.1.1 – 2.1.3



(7)

2.2	2.2.1	Saddle / watershed / spur		(1)
	2.2.2	C – Steep	(1)	
		D – Less steep / gentle	(1)	(2)
	2.2.3	C		(1)
	2.2.4	From C towards D / Eastwards		Any one = (1)
				[12]

QUESTION 3

3.1	3.1.1	Moor Park Game Reserve		(1)
	3.1.2	12,8 cm (1) x 0,5 km (1) = 6,4 km (1)	Allow 0,1 cm variation	(3)
	3.1.3	Visible	(1)	
		No high relief in the line of sight	(1)	(2)
3.2	3.2.1	Runway G (1)		
		298° (TB) (1) + 22° 19' West (MD) (1) = 320° 19'		(3)
	3.2.2	North-east (1) and South-west (1)		(2)
				[11]

QUESTION 4

4.1	1 – Valley	(1)		
	2 – Spur	(1)		(2)
4.2	3,6 cm (1) x 100 m (1) = 360 m (1)	<u>Allow 0,1 cm</u>		(3)
4.3	Island in the stream / deposits of sediment / sand			(2)
4.4	Industry / transport			(1)
4.5	Railway lines / Roads / Mass transport		Any one =	(1)
4.6	4.6.1	Central Business District		(1)
	4.6.2	Harding Street / Lorne Street	Any one =	(1)
4.7	4.7.1	Residential		(1)
	4.7.2	Good views increase demand (2) / Hilly area (2) / Popular stands (2)	Any one =	(2)

- 4.8 9 (1)
- 4.9 Shadows are cast towards the south-west, therefore it is morning. (2)
- [17]**

QUESTION 5

- 5.1 5.1.1 South-west (1)
North (1) (2)
- 5.1.2 Mountains are in the way / steep slopes / river (2)
- 5.2 5.2.1 Area = Length x Breadth (1)
= (7,4 cm x 0,5 km) (1) x (4,9 cm x 0,5 km) (1) = 3,7 km x 2,45 km (2)
= 9,065 sq km (1) Allow 0,1 cm (6)
- 5.2.2 60 → 70% (1)
- 5.2.3 Golf course / Caravan park / Mining /
Sewage works / Rifle Range Any three = (3)
- [14]**

QUESTION 6

- 6.1 Marsh / Swamp / Vlei Any one = (1)
- 6.2 Slows flow down / Filters water / Pools or stores water Any one = (2)
- 6.3 Reduce the forest because they would use it for fuel and building (1)
- 6.4 Smoke pollution (2) / Environmental degradation (2) / Erosion (2) /
Less oxygen produced (2) Any 2 x 2 = (4)
- [8]**

QUESTION 7

- 7.1 7.1.1 National road – 1
7.1.2 Concave slope – 13
7.1.3 A gully / donga – 4
7.1.4 Spur – 11
7.1.5 Single power line – 8 5 x 1 = (5)
- 7.2 $\frac{1}{20} \times \frac{500}{1}$ (2) = 25 times exaggerated (1) (3)
- [8]**

TOTAL: 80