

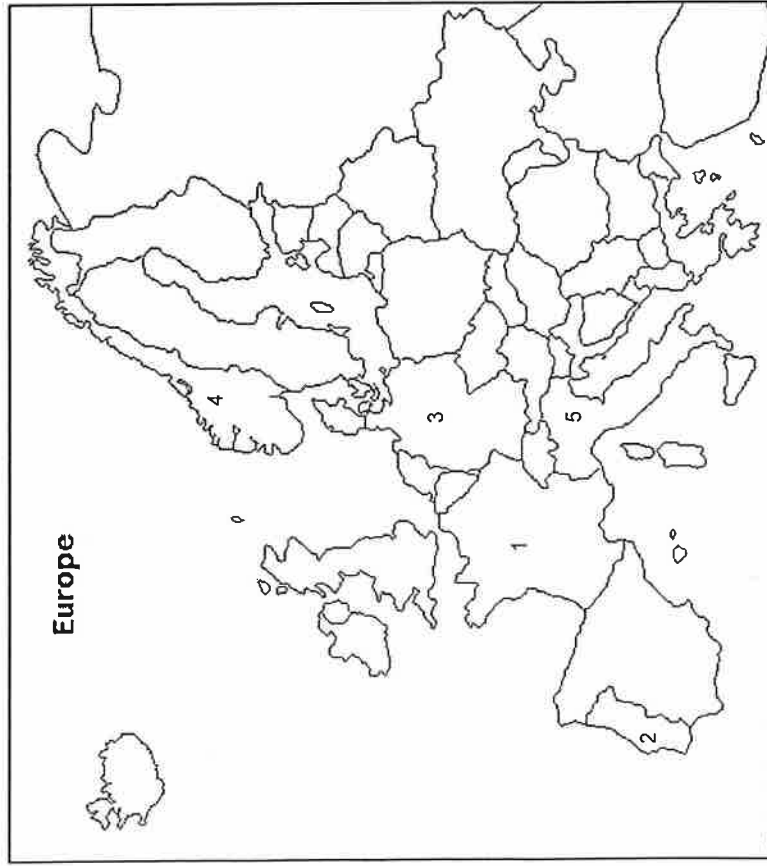
SOUTH AFRICAN COLLEGE SCHOOLS GEOGRAPHY EXAM

Instructions

1. Answer all the questions.
2. Write neatly and legibly.
3. Show all calculations where necessary.
4. You have been given the topographic map 1:50 000 and Orthophoto of Johannesburg 1:10 000.
5. All answers to be written in the spaces provided on the question paper.

QUESTION 1 MAP OF EUROPE

Refer to the map of Europe below and identify the numbered countries below:



1. France ✓
2. Portugal ✓
3. Germany ✓
4. Norway ✓
5. Italy ✓

[5]

QUESTION 2

Refer to the topographic map of Johannesburg to answer the following questions:

- 2.1. Give the direction and bearing of $\Delta 187$ (A5) from spot height 1540 (C4). (4)

Direction: **NE/NNE** ✓✓ Bearing: **$34^{\circ}/35^{\circ}$** (Accept 32° to 37°) ✓✓

- 2.2. Give the meaning of the scale 1: 50 000. (2)

1 unit on the map is equal to 50 000 units in reality. Accept 1cm = 50 000cm ✓✓

- 2.3. Calculate the distance from $\Delta 671$ (F5) to $\Delta 187$ (A5). Give your answer in km. (3)

$18,2\text{cm} \times 0,5 = 9,1\text{km}$ ($18,2\text{cm} \times 0,5 = 9,1\text{km}$) ✓

(Accept $18,1\text{cm} \times 0,5 = 9,05\text{km}$ to $18,4\text{cm} \times 0,5 = 9,2\text{km}$)

- 2.4. Calculate the length of the Modderfontein dam wall (C5). Give your answer in metres. (3)

$0,8\text{cm} \times 500 = 400\text{m}$ ($0,8\text{cm} \times 500 = 400\text{m}$) ✓

- 2.5. Give the map code/map reference of the map North of the Johannesburg map. (4)

2528CC ($25^{\circ}/28^{\circ}\text{C}$) ✓✓

- 2.6. Give the co-ordinates of the spot height 1540 (C4) (4)

$26^{\circ}04'06''\text{S}$ ($12''$) ✓✓ or **$26^{\circ}04,1'\text{S}$** (2')

$28^{\circ}07'06''\text{S}$ ($12''$) ✓✓ or **$28^{\circ}07,1'\text{E}$** (2')

2.7. Referring to the conventional signs identify the agricultural activity that is taking place in block A4. **Cultivated Land** ✓✓ (2)

2.8. In the suburb of Buccleuch (B3) name three services. **Police station✓, School✓, Shop✓** (3)

2.9. Identify two recreational activities on the topographical map. **JHB Country Club/Golf course/ Driving Range/ Hiking/ Fishing(Juikskei River)** ✓✓ (2)

[27]

QUESTION 3

Refer to the orthophoto map in conjunction with the topographic map. The orthophoto can be found in block C3/4 and D3/4 on the topographical map.

3.1. Is the scale of the Orthophoto bigger or smaller than the Topographical Map? **Bigger** ✓ (1)

3.2. Calculate the length of the building to the left of F on the orthophoto. Give your answer in metres **1.3cm x 100= 130m (1,3cm✓ x 100✓ = 130m✓)** (3)
(Accept 1.2cm x 100= 120m to 1.5cm x 100m= 150m)

3.3. Identify the features / land-use at: _____ (2)
a) **D: Refuse Dump**✓✓

3.4. What type of road is A running in a North / South direction? **N3/National Road 3** ✓✓ (2)

3.5. Is the settlement at E a high- or low-income residential area? Give reasons for your answer. **Low Income.** (2)

Dense housing/Small plots of land/Outskirts of city=cheaper land
(Any relevant answer)

(10)