

GRADE 11 | 2024 | PRACTICE EXAM

Geography

PAPER 1

Time: 3 hours

Total: 150 marks

Paper 1 - Practice Exam

INSTRUCTIONS

- Answer ALL questions in Section A.
- Answer ONE question in each of Section B and Section C.
- Where appropriate, use annotated diagrams to support your answers.
- Map work calculations must show all working.

SECTION A -- Map Work [40 marks]**QUESTION 1 [40 marks]**

Refer to the 1:50 000 topographic map extract provided (candidates: use any local topo map for exam practice).

1.1 (5)

Calculate the GRADIENT between spot height 1 248 m and 892 m, if the horizontal distance between them is 3.2 km.

Formula: Gradient = Vertical Interval / Horizontal Equivalent

1.2 (3)

The map scale is 1:50 000. Two towns are 8.4 cm apart on the map. Calculate the actual distance in km.

1.3 (10)

Identify and explain FIVE features visible on the map that suggest the area has high rainfall.

1.4 (6)

A road runs from grid reference 3415AC to 3415CB.

- (a) In which general direction does the road run?
(b) Measure and convert the road length to actual km.

1.5 (6)

Identify the type of settlement pattern shown on the map and suggest TWO reasons why this pattern developed.

1.6 (5)

Explain the difference between SPOT HEIGHTS and CONTOUR LINES as methods of showing relief on a map.

1.7 (5)

Draw a cross-section from X to Y (6 cm long, using the contour interval of 20 m). Label the key features.

SECTION B -- Geomorphology [55 marks] -- Choose ONE**QUESTION 2 [55 marks]****OPTION A: RIVERS AND FLUVIAL PROCESSES****2.1 (6)**

Explain the difference between EROSION and DEPOSITION in rivers, with reference to river velocity.

2.2 (12)

Describe how a MEANDER develops into an OXBOW LAKE. Use annotated diagrams.

2.3 (12)

Compare the characteristics of the UPPER and LOWER courses of a river under:

(a) Gradient (b) Velocity (c) Dominant process (d) Features

2.4 (8)

Explain FOUR types of erosion that occur in rivers.

2.5 (10)

Describe the formation of a DELTA. Include the conditions necessary for delta formation.

2.6 (7)

Discuss the BENEFITS and DISADVANTAGES of river flooding for human communities.

OR

QUESTION 3 [55 marks]**OPTION B: ATMOSPHERE AND CLIMATE****3.1 (8)**

Explain the FOUR layers of the atmosphere, giving the characteristic temperature change in each.

3.2 (15)

Describe the factors that cause South Africa to have DIFFERENT RAINFALL REGIONS. Name and describe THREE regions.

3.3 (10)

Explain the formation of CONVECTIONAL RAINFALL using a labelled diagram.

3.4 (8)

Describe the effect of the BENGUELA COLD CURRENT on the climate of the western coast of South Africa.

3.5 (8)

Explain FOUR factors that affect temperature distribution in South Africa.

3.6 (6)

Describe TWO possible consequences of GLOBAL CLIMATE CHANGE for South Africa.

SECTION C -- Population and Settlement [55 marks]

QUESTION 4 [55 marks]

POPULATION AND SETTLEMENT

4.1 (12)

Describe the FOUR stages of the Demographic Transition Model. For each stage, state the birth rate, death rate and population trend.

4.2 (8)

Explain the difference between VOLUNTARY and FORCED migration. Give TWO examples of each in a South African context.

4.3 (10)

Describe FIVE push factors that cause rural-urban migration in South Africa.

4.4 (15)

Discuss the problems caused by RAPID URBANISATION in South African cities. Include at least FOUR specific problems with examples.

4.5 (10)

Describe the characteristics of an INFORMAL SETTLEMENT. Discuss TWO government strategies to address informal settlements in South Africa.
