



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

MOPANI WEST DISTRICT

GRADE 9

GEOGRAPHY

14 September 2023

TIME: 09h00

MARKS: 50

DURATION: 1 ½ HOURS

INSTRUCTIONS

1. Answer all the questions.
2. Number the answers correctly according to the numbering system used in this question paper.
3. Write neatly and legibly.

This question paper consists of 5 pages.

QUESTION 1

1.1 Choose the correct answer from the options given in brackets for each of the following sentences. Write only the correct word you have chosen next to the question number in your answer book e.g. 1.1.1 alternative.

1.1.1 The process that breaks down rocks into smaller pieces is called (**erosion** / **weathering**). (2)

1.1.2 A chemical process whereby iron minerals in rocks react with dissolved oxygen to produce a red or yellow colour, called rusting, is called (**oxidation** / **carbonation**). (2)

1.1.3 A process whereby hard rock expands during hot days and contracts during cold nights to eventually split in layers (like an onion) causing rounded shaped rocks, is called (**blocking** / **exfoliation**). (2)

1.1.4 An isolated pillar of rock that has been separated from a headland by coastal erosion is called a (**rock island** / **stack**). (2)

1.1.5 The place where a river starts is called its (**mouth** / **source**). (2)

[10]

QUESTION 2

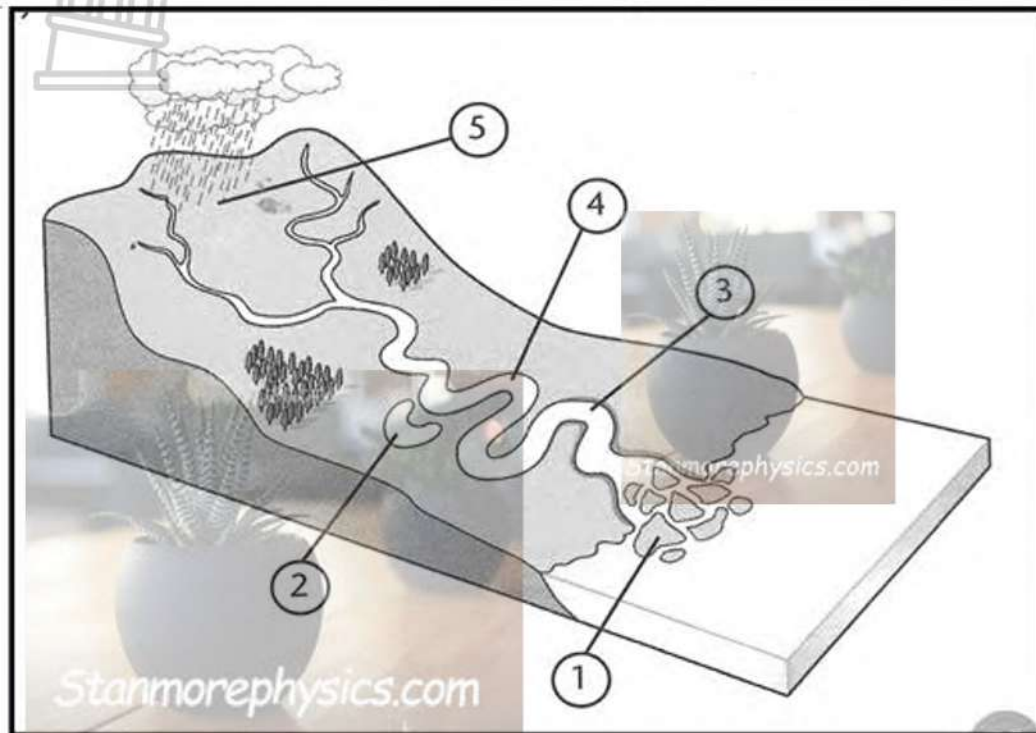
2.1 Match the following statements in column A with the terms or examples in column B. Write only the questions number (2.1.1-2.1.5) and the correct letter next to the numbering in your answer book.

Column A	Column B
2.1.1. Frost shattering	A. wearing away of the river banks and bed by the river's load.
2.1.2. Lichens	B. physical breaking of pieces of rocks by repeated freezing and thawing of water.
2.1.3. Abrasion	C. fine material carried in a river.
2.1.4. Floodplain	D. tiny plant organisms which exist together in a way that benefits each other.
2.1.5. Silt	E. wide, flat area in a river valley that is sometimes covered with flood water.

[10]

QUESTION 3

3.1 Study the figure below and answer the following questions.



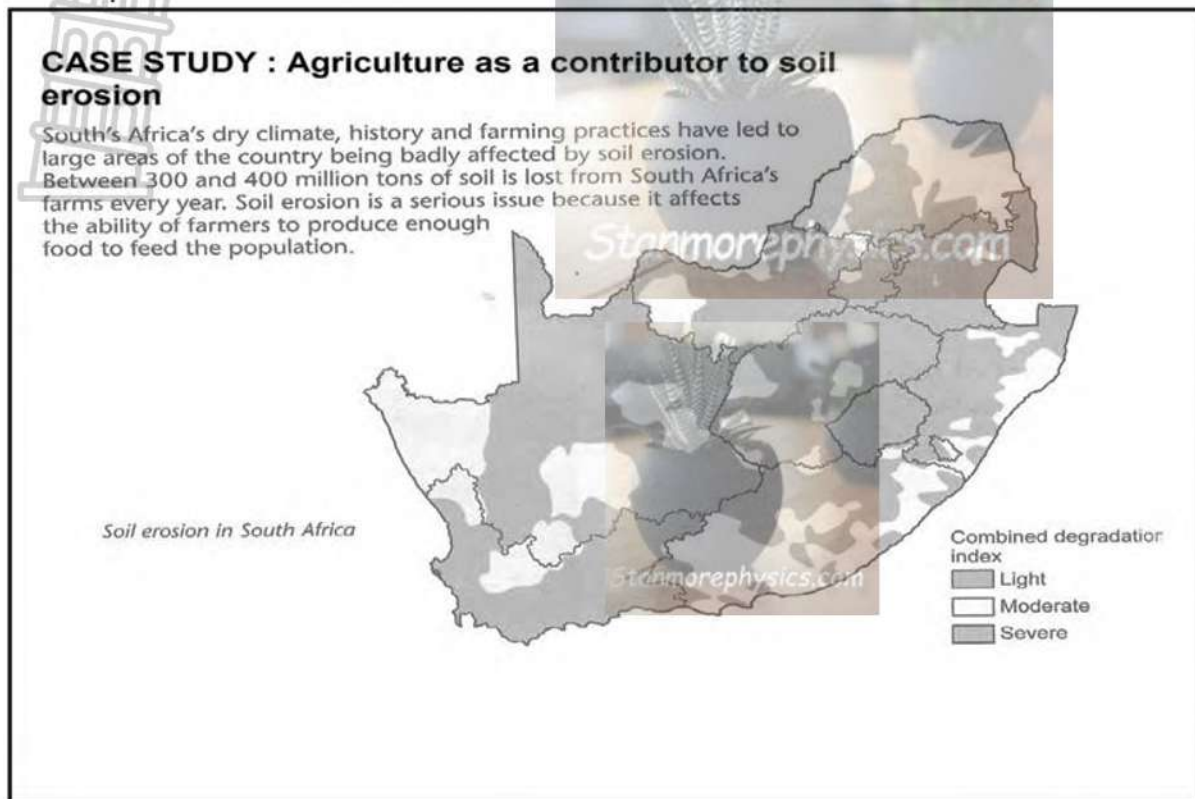
Source: Social sciences (Solutions for all, Grade 9)

- 3.1.1 Label the features on the source numbered 1 to 5. (5)
- 3.1.2 Explain briefly how the feature numbered 2 is formed. (2)
- 3.1.3 Name the THREE sections that a river's course can be divided into. (6)
- 3.1.4 In which part of a river's course is downward erosion more active? (2)

[15]

QUESTION 4

4.1 Read the following Case Study, thoroughly and answer the questions that follow:



- 4.1.1 Define the term "soil erosion". (2)
- 4.1.2 List THREE agents of erosion. (3)
- 4.1.3 Name FIVE negative impacts of soil erosion. (5)
- 4.1.4 List any FIVE measures that can be put in place to combat Soil erosion. (5)
- [15]

TOTAL: 50



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MARKING GUIDELINE

Stanmorephysics.com

MARKS: 50

This marking guideline consists of 3 papers.

QUESTION 1

1.1

1.1.1 Weathering (2)

1.1.2 Oxidation (2)

1.1.3 Exfoliation (2)

1.1.4 Stack (2)

1.1.5 Source (2)

[10]

QUESTION 2

2.1

2.1.1 B (2)

2.1.2 D (2)

2.1.3 A (2)

2.1.4 E (2)

2.1.5 C (2)

[10]

QUESTION 3

3.1

- | | | |
|-------|-----------------|-----|
| 3.1.1 | 1 - delta | (1) |
| | 2 - ox-bow lake | (1) |
| | 3 - levee | (1) |
| | 4 - meander | (1) |
| | 5 - source | (1) |

3.1.2 River meanders across a river valley. Erosion and deposition cause meander neck to narrow. River cuts through meander neck, deposition blocks bend of old meander. Old meander remains as an ox-bow lakes. (2)

3.1.3

- Upper course (2)
- Middle course (2)
- Lower course (2)

3.1.4 Upper course (2)

[15]

QUESTION 4

4.1

4.1.1 The removal of soil faster than natural processes can form new soil. (2)

4.1.2

- Water (1)
- Wind (1)
- Ice (1)

4.1.3

- Decreases soil fertility (1)
- Higher rates of run-off (1)
- Loss of newly planted crops (1)
- Pollutes waterways (1)
- Shortage of food (1)

[Any relevant answer]

4.1.4

- Crop rotation (1)
- Avoiding overgrazing (1)
- Minimizing deforestation (1)
- Contour farming (1)
- Use of silt fencing (1)

[Any relevant answer]

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[15]

TOTAL: 50