GEOGRAPHY

Dear Grade 12 Geography learner

Subject Requirements:

You will need a DBE approved textbook, topographic maps and a variety of photographs including an orthophoto map of the same area, non-programmable calculator, protractor, compass, pencil, ruler and erasers. While studying, make full use of pictures, photographs, satellite images and statistics, diagrams and maps.

As Geographers you will be asking the following questions on each of the sections or topics:

- What is it?
- Where is it?
- Why is it there?
- What does it look like?
- How did it happen?
- What impact does it have?
- How should it be managed for the mutual benefit of humanity and the natural environment?

You must be able to answer the questions above in each of the sections or topics.

Integrate map work and geographical information systems (GIS) where applicable with topographical maps and a variety of photographs including orthophoto maps of the same area. Before attempting the mapwork question, use about 10 minutes to read the topographic map by looking at the following:

- Relief (Brown)
- Drainage (Blue)
- Infrastructure (Red, Black)
- Settlements (Grey)
- Economic activities (Farming green, industries black)

Content Checklist:

Below is a checklist you should use to ensure that you have covered the Grade 12 Geography content in full.

Climate and weather

- Mid latitude cyclones
- Tropical cyclones
- Subtropical anticyclones (high pressure cells)
- Valley climates and urban climates
- Synoptic weather maps

Geomorphology

- Drainage systems in South Africa: Concepts, types of rivers, drainage patterns and density, stream orders and laminar- and turbulent flow
- Fluvial processes: River profiles, fluvial landforms, river grading, rejuvenation of rivers, river capture(stream piracy) and superimposed and antecedent streams
- Catchment and river management

Rural settlement and urban settlement

- Concept of settlement
- Site and situation
- Classification of settlements according to size, complexity and function

Rural settlements

- Factors influencing the following: site and situation
- Classification according to pattern and function
- Different shapes of settlement: Round, linear, T-shaped and cross-road
- Land use in rural settlements
- Rural settlement issues, rural-urban migration, depopulation, rural development strategies and social justice issues

Urban settlements

- Origin of urban settlements: urbanisation
- Factors influencing: site, situation and classification of urban settlements
- Classification of urban settlements according to function
- Urban hierarchies: Concepts, lower/higher order functions and services
- Urban structure and pattern: Internal structure, land use zones, urban profile, factors influencing morphological study of cities, models of urban structure and changing urban patterns in South Africa.
- Urban settlement issues: Recent urbanisation patterns in South Africa, Urban issues related to rapid urbanisation.
- Growth of informal settlements and issues

Economic Geography of South Africa

- Structure of the economy:
- Agriculture as an economic activity:
- Mining as an economic activity
- Secondary and tertiary sectors
- Strategies for industrial development
- The importance and challenges of the informal sector

Map work and GIS

- Map work skills: Direction and bearing, map reference, grid reference, cross section, inter-visibility, direction of river flow.
- Calculations: Distance, area, gradient, vertical exaggeration, magnetic bearing, magnetic declination.
- Application of theory on topographical and orthophoto maps
- Aerial photographs and orthophoto maps
- Geographical Information Systems (GIS): Concepts and application

Assessment

School-based assessment consists of four main sections:

- One research project
- One Assignment map work
- Two controlled tests
- Mid-year and Trial Examination

The external examination consists of two question papers

PAPER 1 – CLIMATE AND WEATHER AND GEOMORPHOLOGY

Marks allocation: 150
Time allocation: 3 hours

Question 1: Climate and weather (60 Marks)

- Short objective questions (15 marks)
- 3 questions of 15 marks each on climate and weather

NB. One paragraph question of 8 marks in any of the three sub-questions

Question 2: Geomorphology (60 Marks)

- Short objective questions (15 marks)
- 3 questions of 15 marks each on Geomorphology

NB. One paragraph question of 8 marks in any of the three sub-questions

Question 3: Mapwork (30 Marks)

- Map skills and calculations (10 marks)
- Map interpretation (12 marks)
- GIS (8 marks)

PAPER 2 – RURAL AND URBAN SETTLEMENTS AND ECONOMIC GEOGRAPHY OF SOUTH AFRICA

Marks allocation: 150
Time allocation: 3 hours

Question 1: Rural and urban settlement (60 Marks)

- Short objective questions (15 marks)
- 3 questions of 15 marks each on rural and urban settlements

NB. One paragraph question of 8 marks in any of the three sub-questions

Question 2: Economic Geography of South Africa (60 Marks)

- Short objective questions (15 marks)
- 3 questions of 15 marks each on climate and weather

NB. One paragraph question of 8 marks in any of the three sub-questions

Question 3: Mapwork (30 Marks)

- Map skills and calculations (10 marks)
- Map interpretation (12 marks)
- GIS (8 marks)

Tips for Success:

- The ability to interpret maps and diagrams helps you to understand and remember work and gain extra marks in written questions.
- Candidates should remember not to expect the same diagrams in the examinations as those in text books, although similar diagrams could be supplied in the final examinations.

SCAN ME!
Geography Overview