

P250/1
Physical Geography
Paper 1
July/August 2024
3 Hours



NATIONAL EDUCATION RESEARCH & EXAMINATIONS BUREAU

UACE NEREB NATIONAL MOCKS

GEOGRAPHY

(PHYSICAL GEOGRAPHY)

PAPER 1

3 HOURS

INSTRUCTIONS TO CANDIDATES

- This paper consists of three sections **A**, **B** and **C**.
- Answer four questions
- Section **A** question **1** and **2** are compulsory
- Answer one question from section **B** and **one** question from section **C**.
- Credit will be given for the use of relevant sketch maps, diagrams and specific examples in the field.
- Any additional question(s) will not be marked.

SECTION A

Questions 1 and 2 are compulsory

COMPULSORY MAPWORK QUESTION:

1. Study the East Africa 1:50,000 (UGANDA), **BUDADIRI** Map extract; part of sheet 54/4 (Kenya Sheet, 74W/4, Series Y732; Edition 2-U.S.D. and answer the following questions.
 - (a)
 - (i) State the grid reference of the bridge across Sanoli River. (01 mark)
 - (ii) Name the feature found at grid reference 476252. (01 mark)
 - (b)
 - (i) Measure and state the bearing of Bukalasi Trigonometrical station (gridreference 569132) from the bridge at Bukiga (grid reference 494164). (01 mark)
 - (ii) Calculate the ground area in kilometres squared of Buyobo sub-county shown on the map extract. (02 marks)
 - (c)
 - (i) Draw a cross section of the area along Northing 30 between Eastings 42 and 50 and on it mark and label the following:
 - Gently sloping areas
 - Buyola hill
 - Broad River valley
 - All-weather road
 - Sanoli River
 - Nakiwondwe forest reserve(10 marks)
 - (ii) Explain why it is important to exaggerate the height scale of a cross Sectional drawing. (02 marks)
 - (d) With evidence from the map extract, identify the economic activities carried out in the area. (04 marks)

- (e) Explain how relief has influenced the nature of drainage in the area shown on the map extract. (04 marks)

**COMPULSORY QUESTION:
PHOTOGRAPHIC INTERPRETATION**

2. Study the photograph provided below and answer the questions that follow:



- (a) Draw a landscape sketch of the area shown on the photograph and on it mark and label the:
- Landform features
 - Main vegetation type
 - **Two** types of human features
 - Type of clouds above the horizon (09 marks)
- (b) Account for the formation of the prominent landform feature in the middle foreground of the photograph. (04 marks)
- (c) (i) Explain how the clouds shown in the photograph were formed. (04 marks)

- (d)
- (ii) Examine the significance of the cloud cover to the weather and climatic conditions of the area shown in the photograph. (06 marks)
- (e) Giving reasons for your answer, suggest an area in East Africa where this photograph could have been taken. (02 marks)

SECTION B:

*Answer **one** question from this section*

3. (a) Identify the sources of heat in the earth's interior that may trigger off tectonic processes. (08 marks)
- (b) Relate the nature of volcanic material ejected from the interior to the resultant extrusive landforms in East Africa. (15 marks)
4. Examine the factors that have influenced the formation of drainage patterns in East Africa. (10 marks)
5. How Does Charles Darwin's theory of subsidence explain the formation of coral reefs along the East African coast? (25 marks)

SECTION C:

*Answer **one** question from this section*

6. (a) Explain how relative humidity is manually measured at a weather station. (15 marks)
- (b) Account for the variations in the humidity levels experienced in a place (10 marks)
7. (a) Describe the characteristics of temperate forest vegetation in East Africa. (10 marks)

- (b) Account for the distribution of temperate forests in East Africa. (15 marks)
8. (a) Account for the formation of Latosols. (15 marks)
- (b) Explain the economic significance of Laterite to the people of East Africa. (10 marks)

END