

**UGANDA MARTYRS UNIVERSITY**  
**FACULTY OF EDUCATION**  
**BACHELOR OF ARTS WITH EDUCATION**  
**END OF YEAR ONE SEMESTER TWO EXAMINATIONS**  
**PAPER: PRACTICAL GEOGRAPHY GEO 1201**

---

Date: 4<sup>th</sup> May 2016

Time: 02:00-05:00PM

**Instruction:**

- *Attempt any four question in total; at least one question should be attempted from each section*
  - *Maps, diagrams and illustrations should be used wherever appropriate*
  - *Do not write anything on the question paper*
  - *Read the instruction on the answer booklet*
- 

**SECTION A: MAPWORK**

- 1 Study the 1:50,000 (KENYA), Map extract of Series Y731, Sheet 88/1(D.O.S 423) Edition 5-D.O.S 1970 and answer the following questions
  - a) State the;
    - i) Four figure grid reference for Masaek market.
    - ii) Six figure grid reference for the primary trigonometrical station pillar on Kibichori 2mks
  - b) Calculate the;
    - i) gradient of the slope along which river Kuywa flows
    - ii) detour index of the County boundary
    - iii) area covered by Mt Elgon forest reserve 5mks
  - c) i) Draw an annotated relief section of the land scape from Menu dam to grid reference 790900 6mks  
ii) Determine the Vertical exaggeration and horizontal equivalent of the relief section drawn 4mks
  - d) Giving evidences from the map, explain the relationship between relief, drainage and settlement 5mks
  - e) Demonstrate the assertion that development of Namwala area limited by physical environment 3mks

## SECTION B: PHOTORAPHIC INTERPRETATION

2. Study photograph 1 provided and answer the following questions:



- a) i) What type of photograph is photo 1? Give reasons for your answer. 4mks  
ii) Identify the relief features and dominant land use types shown in the photograph 3mks
- b) Draw a landscape sketch of the photograph and on it, mark and name  
  - ✓ Relief regions
  - ✓ Settled area
  - ✓ Beach
  - ✓ Water body8mk
- c) Giving evidence from the photograph, explain the factors that have favored the development of the dominant land use type shown in the photograph 5mks
- d) What evidence is there to suggest land use cover change 3mks
- e) Giving reason for your answer, suggest an area where the photograph was taken 2mks

**3. Study photograph 2 provided and answer the following questions:**

- a) Identify the relief features shown in the  
i) Middle ground. 2mks  
ii) Back ground of the photograph
- b) Describe the processes which led to the formation of the relief features in the middle back ground 6mks
- c) Draw a land scape sketch of the photograph and on it, mark and name  
✓ Residual relief features  
✓ Rills  
✓ Vegetation types  
✓ Water body  
✓ Saltpans 9mk
- d) Giving reasons for your answer, suggest the development options which can be carried out in the area shown in the photograph 3mks
- e) Suggest problems that are facing people living in the area shown in the photograph 5mks

**SECTION C: FIELDWORK**

4. Students in Uganda Martyrs' University in Uganda, were interested in the effects of tourism on the city of Kayabwe and how these varied between the wet tourist season and dry tourist season. They based on the hypothesis "the advantages of tourism are greater than the disadvantages". Students also decided to use questionnaires before the investigation process
- a) State the; i) topic  
ii) Objectives of their study 5mks
- b) As students showed the questionnaire to the lecturer, suggestion was made that they to first ask people if they lived at Kayabwe; why you think the lecturer made such a suggestion. 4mks
- c) Describe one sampling method that could have been used during the investigations and explain its advantages 5mks
- d) i) Draw a geographical sketch map of the area studied 5mks  
ii) Suggest why the area studied has a geographical interest 6mks

## SECTION D: STATISTICS

5. Study the table below showing Japan's merchandise export (million US. Dollars) from 2008 to 2010, use it and answer the questions that follow.

Country	Export (million USD)		
	2008	2009	2010
China	124,952	100,577	149,692
United states	137,306	93,624	118,798
South Korea	59,418	47,217	62,299
Malaysia	16,437	12859	17,643
Netherlands	21,077	13,512	16,400
<b>Total</b>	<b>359,190</b>	<b>267,789</b>	<b>364,832</b>

**Source: adapted from: japan customs via Global Trade Atlas**

- a) Calculate the percentage change in the value of exports for each country between 2008 and 2010 5mks
- b) Construct a suitable statistical diagram to illustrate Japan's export trade 10mks
- c) Discuss the effectiveness of the statistical diagram drawn in representing numeric data 6mks
- d) Analyze the significance of interstate trade to Japan's development 6mks

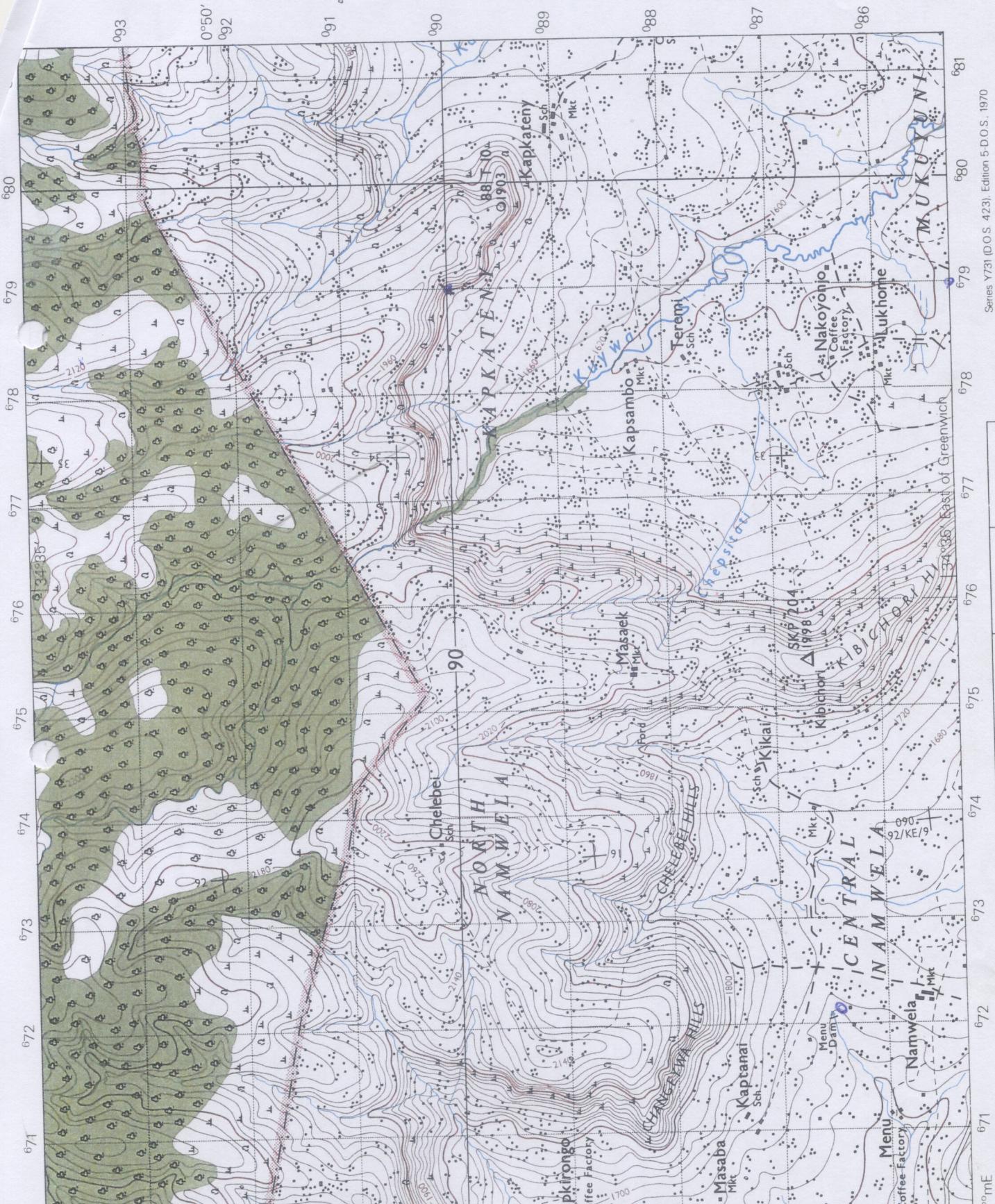
6. Study the table below showing estimates of land affected by soil erosion in selected districts of Uganda and answer the questions that follow.

District	Total area	Area affected by soil erosion [Ha]	Population density
Kabale	165,300	148,300	250
Kisoro	66,200	56,270	279
Kasese	274,400	163,440	126
Bundibugyo	209,700	83,880	55
Bushenyi	490,600	98,120	149
Mbale	250,400	200,320	282
Kapchorwa	178800	52,140	67
<b>Total</b>	<b>1,635,400</b>	<b>802,470</b>	

**Source: adapted NEMA (2002), State of Environment Report for Uganda, p.81**

- a) Calculate the percentage of the area affected by soil erosion in each district 7mks
- b) Construct a suitable statistical diagram to illustrate the area affected by soil erosion 9mks
- c) Analyze the relationship between population density and the areas affected by soil erosion 4mks
- d) Suggest the ways Uganda can ensure sustainable use of her soil resource in the districts shown in the table 5mks

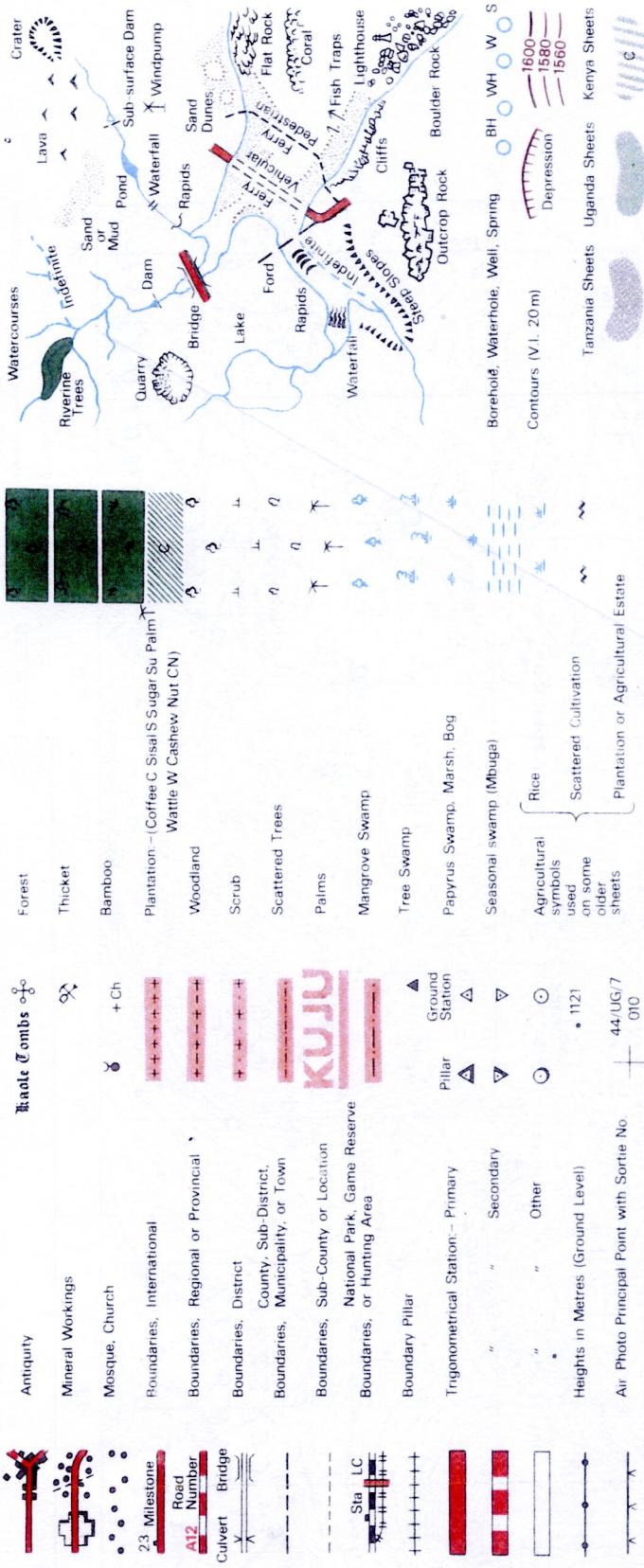
**END**



Series Y731 (D.O.S. 423). Edition 5-D.O.S. 1970  
 Copyright, Government of Kenya. Reproduced by permission  
 of the Director of Surveys, Kenya

The boundary picked out in red is that of  
 Mt Elgon Forest Reserve

RES 1000 500 0  
 0 500 1000  
 The vertical interval of the  
 20 metres



GENERAL KEY TO EAST AFRICAN 1:250,000 MAPS



