

GHS

P250/1
GEOGRAPHY
(Physical Geography)
Paper I
July, 2012
3 hours

S.6 MOCK EXAMINATIONS 2012

GEOGRAPHY

PAPER I

3 HOURS

Answer **four** questions in all.

Section A is compulsory.

Answer **one** question from Section B and **one** from Section C.

Credit will be given for the use of relevant sketch maps and diagrams and specific examples studied in the field.

SECTION A: MAP WORK AND PHOTOGRAPHIC INTERPRETATION

1. Study the 1:50,000 (UGANDA), **KIGOROBYA** Map extract; Series Y732, part of sheet, 38/4; Edition 2 U.S.D. and answer the following questions.
- (a) (i) State the grid reference of Kibegenya trigonometrical station. *(1 mk)*
(ii) Name the man-made feature at grid reference 274694. *(1 mark)*
- (b) (i) Measure and state in Kilometres the all weather road distance in the area shown on the map. *(1 mark)*
(ii) Calculate the area in kilometres squared of Kyabigambire Sub County in the area shown on the map. *(2 marks)*
- (c) (i) Reduce the area of the map extract by $2\frac{1}{2}$ times. Draw its outline and on it mark and name the:
- Physiographic features
 - Main transport routes
 - Agricultural plantation
 - Masaba forest
 - County boundary *(9 marks)*
- (ii) Calculate the scale of the sketch map drawn. *(2 marks)*
- (d) (i) Calculate the amplitude of relief in the area shown on the map. *(1 mark)*
(ii) Account for the development of the relief in the area. *(2 marks)*
- (e) (i) With evidence from the map extract, identify the economic activities carried out in the area. *(3 marks)*
(ii) Explain the problems faced by the people living in the area. *(3 marks)*

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



- (a) (i) State the type of photograph provided. *(1 mark)*
(ii) Draw a landscape sketch of the area shown in the photograph and on it mark and label the:
- Headland
 - Bay
 - Beach
 - Cliffs
 - Urban centre
- (8 marks)*
- (b) Describe the processes responsible for the formation of the headland and bay marked in (a)(ii) above. *(8 marks)*
- (c) Explain the influence of the coastal features identified in (a) above on the land use in the area. *(6 marks)*
- (d) Giving reasons for your answer, suggest an area in East Africa where the photograph could have been taken. *(2 marks)*

SECTION B:

3. Discuss the influence of igneous rocks on the development of landforms in East Africa. *(25 marks)*
4. (a) Account for the limited occurrence of glaciers in East Africa. *(10 marks)*
(b) Explain the processes leading to the formation of the following glacial features:
i. Cirque *(5 marks)*
ii. Pyramidal peak *(5 marks)*
iii. Hanging valley *(5 marks)*
5. Examine the formation of features in the torrent stage of a river valley. *(25 marks)*
6. (a) Account for the occurrence of Eustatic changes. *(15 marks)*
(b) Examine the influence of positive Eustatism on the development of coastal geomorphological features.

SECTION C:

7. (a) Describe how humidity is manually measured and recorded at a weather station. *(10 marks)*
(b) Explain the factors that influence the humidity levels of an area. *(15 marks)*
8. To what extent have the human activities been responsible for the arid conditions experienced in East Africa? *(25 marks)*
9. To what extent has climate influenced the distribution of natural vegetation in East Africa? *(25 marks)*
10. (a) Distinguish between soil catena and soil profile. *(08 marks)*
(b) Assess the influence of relief on the development of soil catena. *(17 marks)*