

312/1

GEOGRAPHY

PAPER 1

EMBU NORTH EVALUATION EXAM

JULY /AUGUST 2018

TIME: 2HRS 45 MIN

INSTRUCTIONS

- 1. Answer all questions in section A**
- 2. In section B answer question 6 and any other two questions.**
- 3. All answers to be written in the answer booklet provided.**

SECTION A

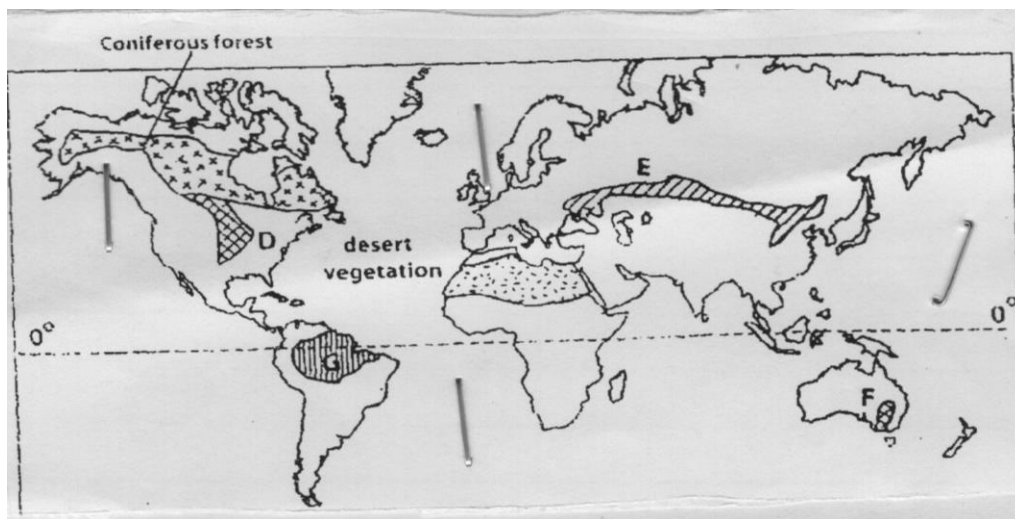
Answer all the questions in this section

- | | | |
|------|-------------------------------------------------------------------------------------------|------|
| 1.a) | Mention the two main branches of Geography. | 2mks |
| b) | State three reasons why Geography is taught in schools. | 3mks |
| | | |
| 2.a) | What is weather forecasting? | 2mks |
| b) | Give three reasons why weather forecasting is important. | 3mks |
| | | |
| 3.a) | List three ways of classifying rocks. | 3mks |
| b) | Give two sources of sedimentary rocks. | 2mks |
| | | |
| 4.a) | Differentiate between a dyke and a sill. | 2mks |
| b) | Name three volcanic plateaus in Kenya. | 3mks |
| | | |
| 5.a) | Outline the factors influencing the rate of weathering of rocks in Kenya Highlands areas. | 3mks |
| b) | Mention two features formed as a result of weathering of rocks. | 2mks |

SECTION B

- | | | |
|-------|---------------------------------------------------------------------------------|------|
| 6. | Study the map of Oyugis (1:50,000) provided and answer the following questions. | |
| a.(i) | Covert the scale of the map to statement scale. | 2mks |
| (ii) | What is the latitudinal extent of the area covered by the map? | 2mks |
| iii) | Give the approximate height of GodPuro hill. | 2mks |

- b.(i) Measure the length of the all weather loose surface road C 20 from the junction at Rodi Kopany to the bridge in grid square 7124. Give your answer in kilometers. 2mks
- ii) What is the bearing and direction of the trigonometric station 130 T 93 from the spotheight in grid square 7144? 3mks
- c) Draw a square 10cm by 10cm to represent the area bound by Eastings 80 and 90 and Northings 30 and 40. 1mk
- In the square mark and name:
- Koderia Forest Reserve 1mk
 - District boundary 1mk
 - Dry weather road C 18 1mk
- d) Describe the relief of the area covered by the map. 4mks
- e.(i) Give three social services offered in the area covered by the map. 3mks
- ii) Citing evidence from the map. Give three economic activities carried out in the area covered by the map. 3mks
7. a) State three factors which influence the distribution of vegetation in Kenya. 3mks
- b) Name three Lowland forests in Kenya along the coastal region of Kenya. 3mks
- c) The diagram below shows the vegetation regions of the world. Use it to answer the questions that follows.



- (i) Name the temperature grasslands marked E, D and F. 3mks
- (ii) Describe the characteristics of the vegetation found in the shaded region marked G. 4mks
- iii) Apart from the grasslands marked E, D and F mention any other grasslands vegetation in the world. 2mks
- d) Explain the role of vegetation in influencing global warming and climate change. 6mks
- e) Form four students from your school conducted a field study on vegetation in Mt. Kenya Forest.
- i) State two ways in which they identified different plants. 2mks
- ii) Apart from identifying different types of plants mention two other activities they conducted in their study. 2mks
- 8.a)i) Differentiate between aridity and desertification. 2mks
- ii) Briefly explain three physical causes of aridity. 6mks
- b.i) Describe two processes of wind erosion in deserts. 4mks
- ii) Describe the formation of mushroom block. 4mks
- c)i) State three causes of soil degeneration. 3mks
- ii) Explain three methods used to conserve soils in Kenya. 6mks
9. (i) What is a coast. 2mks
- (ii) Explain two ways in which the nature of rocks influences the shape of coast. 4mks
- b) Outline three characteristics of a fiord coast. 3mks
- c) Describe the formation of oceanic islands. 4mks
- d.(i) State four causes of ocean currents. 4mks
- ii) Explain four ways Kenya benefits from coastal landforms. 8mks

10. (a) (i) What is an iceberg? 2mks
- (ii) State three factors which determine the speed of a glacier. 3mks
- b). (i) Other than a Pyramidal Peak, name three features on a glaciated highland. 3mks
- (ii) Describe the formation of a Pyramidal Peak. 5mks
- c) With the aid of a well labeled diagram, describe the formation of a Crag and tail. 4mks
- d) Explain two ways in which glaciation in highlands is of economic benefits to human beings. 4mks
- e) Your class carried out a field study on a glaciated lowland.
- (i) State two reasons why you needed a route map. 2mks
- ii) Identify two problems you were likely to face during your study. 2mks