

PANGANI GIRLS' SCHOOL
PRE -MOCK EXAMINATION
GEOGRAPHY- P1 321/1- 2013
TIME: 2 ¼ HOURS

NAMECLASS..... INDEX

Instructions to candidates

- a) This paper contains two section: A and B
- b) Answer ALL the questions in section A
- c) Answer question 6 and any other two questions form section B.
- d) All answer must be written in the answer booklet provided.

SECTION A

Answer all the questions in this section

- 1 a) What do you understand by the following terms? (2mks)
 - (i) Micro climate
 - (ii) Greenhouse Effect
- b) State two conditions necessary for formation of fog. (2mks)
2. a) Name two types of tectonic plates. (2mks)
- b) State two effects of earthquakes on the human environment. (2mks)
3. a) State three factors that influence the occurrence of underground water (3mks)
- b) Give two processes involved in the formation of karst scenery. (2mks)
4. The diagram below represents the solar system. Use it to answer Question (a).

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- a) Name the heavenly bodies labelled A and B. (2mks)
- b) Give two characteristics of Jupiter planet. (2mks)
5. a) Identify and name three categories of desert surfaces. (3mks)
- b) State three reasons why wind is an active agent of erosion in hot deserts. (3mks)

SECTION B

Answer question 6 and any other two questions from this section.

6. Study the map of KITALE (Sheet 75/3, Scale 1:50,000) provided and Answer the questions that follow.
- a) i) Name the feature found in grid reference 395328. (1mk)
- ii) Name one drainage features other than rivers shown in the mapped area. (1mk)
- b) i) Measure the length of the all-weather loose surface road C 638 from its junction with the dry weather road C 640 at grid square 4314 to northing 11. Give your answer in kilometres. (2mks)
- ii) Calculate the area of Kapolet Forest Area in square kilometres. (2mks)
- c) i) Give the approximate position of Kitale Township in latitude and longitude. (2mks)
- ii) What is the general direction of flow of River Noigameget? (1mk)
- d) i) Draw a frame of dimensions 14cm by 10 cm to represent the area bound by the eastings 23 and 30 and the northings 11 and 16. (2mks)
- ii) Within the frame, mark and name:
- Railway line;
 - Papyrus Swamp;
 - All weather loose surface road C 641. (3mks)
- iii) State the scale of the sketch drawn in (b)(i) above. (1mk)
- e) Describe the vegetation of the area covered by the mapped area. (4mks)
- f) Explain the distribution of settlements in Kitale. (6mks)
7. a) i) Define the term lake. (2mks)

- ii) Name three sources of water in the lakes other than rivers. (3mks)
- b) i) State three reasons why some lakes may contain fresh water. (3mks)
- ii) Give two examples of lakes formed due to vulcanicity in E. Africa. (2mks)
- c) The map below shows some lakes and rivers in Kenya. Study it and use it to answer the questions that follow.

- i) Name the river marked 1 and 2. (2mks)
- ii) Identify and name lakes marked P, R and S. (3mks)
- iii) Briefly explain how Lake Q was formed. (5mks)
- d) State five significances of lakes. (5mks)

8 a) State the effect of each of the following in winds.

- i) Pressure gradient. (1mk)
- ii) Coriolis force. (1mk)

b) Use the diagram below to answer the questions that follow.

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Describe the process through which moist winds shown go through to Eventually become dry winds. (5mks)

c) Explain how the following factors influence climate.

i) Distance from sea/contentality. (2mks)

ii) Aspect. (2mks)

d) i) Give two reasons why the Tundra region has scanty vegetation. (2mks)

ii) Describe characteristics of Savannah vegetation. (5mks)

e) You are required to carry out a field study of the natural vegetation within your local environment.

i) Apart from identifying the different types of plants state three activities you would carry out during the field study. (3mks)

ii) How would you identify the different types of plants? (2mks)

f) State two factors that influence soil catena. (2mks)

9. a) i) Give two differences between weathering and mass wasting. (2mks)

ii) Name two other processes of denudation apart from weathering. (2mks)

b) The diagram below shows a process of physical weathering. Study it and use it to answer the questions that follow.

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- i) Identify the process shown in the diagram. (1mk)
- ii) Describe how the process named in (b) (i) above takes place. (4mks)
- iii) Give two other processes of physical weathering apart from the one named in (b) (i) above. (2mks)
- c) i) Describe two processes through which sedimentary rocks may change into metamorphic rocks. (4mks)
- ii) Give one example of each of the following igneous rocks:
- Plutonic
 - Hypabyssal.
 - Volcanic
- (3mks)
- d) Suppose members of your class were to conduct a field study on rocks within the vicinity of the school.
- i) Name two secondary sources of information you would use to prepare for the study. (2mks)
- ii) State three activities reason why they needed to sample the area. (3mks)
- iii) State two importance of rocks you are likely to find out during the study. (2mks)
- 10.a) Differentiate between a valley glacier and an ice sheet. (2mks)
- b) Briefly describe how the ice moves through the following processes:
- (i) Basal slip; (3mks)
- (ii) Extrusion flow. (3mks)
- c) State two processes through which glaciers erode. (2mks)
- d) The diagram below shows various features that result from glacial erosion. Use it to answer the questions (i)

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- i) Identify and name the features labelled C and D. (2mks)
- ii) Describe the formation of a cirque. (4mks)
- e) With the aid of clearly labelled diagram(s), name three types of moraines.(3mks)
- f) Explain three benefits of glaciation to human activities (6mks)

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