**GEOGRAPHY FORM 3 ENDTERM 1 2017**

**SECTION A:**

**ANSWER ALL THE QUESTIONS:**

1. a. State three forces that influence the shape of the earth. (3 mks)

 b. State three proofs that show that the earth is spherical. (3 mks)

2. a. Distinguish between a rock and a mineral. (2 mks)

 b. Give the metarmophic equivalent of the following rocks. (3 mks)

 Original rock metarmophic

 Granite –

 Limestone –

 Shale –

3. a. What is the longitude of a place M whose local time is 11.00 am. If the local time at longitude

 30oE is 2.00 pm. (3 mks)

 b. State the effect of the International Date Line. (1 mk)

4. a. Name two types of earth movements (2 mks)

 b. State 3 features that result from folding. (3 mks)

5. a. Define the term Vulcanicity. (2 mks)

 b. Name i. Two Intrusive landforms (2 mks)

 ii. Two Extrusive landforms (2 mks)

 **SECTION B:**

**ANSWER QUESTIONS *SIX* (COMPULSORY) AND ANY OTHER TWO QUESTIONS.**

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

6.Study the map of BUSIA (1:50000) sheet 101/1 provided and answer the following questions

1. i)Name two manmade features found at grid square 2331.(2mks)

ii) Calculate the bearing of the air photo principal point found at grid square 3841 form trigonometrical station found at grid square 3546. (2mks)

iii) What is the altitude of the highest point in the area covered by the map. (2mks)

b) i) Measure the distance of dry weather road from the junction at matayo to junction at Bumala market.(Give your answer in kilometers and meters (2mks).

ii)Give three types of natural vegetation found in the area covered by the map.(3mks)

ii) citing evidence from the map identify 5 social services offered in the area covered by the map.(5mks)

c) i) using a scale of 1cm to represent 40m draw a cross section from grid reference 300350 to360390.(4mks)

ii) On it mark and name the following.(3mks)

 Hill

 Road

 river

 d iii calculate vertical exaggeration.(2mks)

 ii) Describe the relief of the area covered by the map. (6mks)

7.a. i. Name three types of faults. (3 mks)

 ii. Apart from compressional force explain two other processes that may cause faulting.

 (4 mks)

 b. With aid of diagrams, describe how compressional forces may have lead to the formation

 of the Great Rift Valley. (8 mks)

 c. Explain five ways in which faulting is of significance to human activities. (10 mks)

8. a. The table below shows Rainfall and Temperature figures of a station in North America.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Month | J | F | M | A | M | J | J | A | S | O | N | D |
| Rainfall in mm | 15 | 8 | 8 | 13 | 31 | 51 | 51 | 51 | 28 | 25 | 18 | 20 |
| Temp (oC) | -22 | -19 | -12 | -1 | 4 | 10 | 11 | 11 | 5 | -11 | -18 | -20 |

1. On the graph paper provided, draw a bar graph to represent the rainfall figures. (Use a vertical scale of 1cm represent 10 mm) (5 mks)
2. Give four characteristics of a bar graph you have drawn. (4 mks)
3. i. Calculate the mean of temperature for the station. Show your working. (2 mks)

 ii. State five characteristics of the climate experienced in the station. (5 mks)

1. You intend to carry out a field study on vegetation around the station with the above climate.

i.. State 3 methods you would use to collect the data. (3 mks)

ii. Highlight 3 methods you are likely to use to record the data. (2 mks)

iii. State 3 problems you are likely to face during the field study.

9)a)define the term folding.(2mks)

 ii)with use of well labeled diagrams explain the following types of folds

 symmetrical fold,overfold, anticlinorium-synclinorium complex (6mks

 iii)mention 3 theories that explain the formation of fold mountains 3mks)

iv)mention 4 orogenies (4mks)

b)i)what is faulting?(2mks)

 ii)name three types of faults.(3mks)

iii)By use of a well labeled diagram ,show how a rift valley is formed by tension forces.(3mks)

iv)give any two significance of faulting to human activities(2mks)

10. a. What is aridity? (2 mks)

 b. What is desertification. (2 mks)

 c. State five causes of aridity and desertification. (5 mks)

 d. i. Explain 5 effects of aridity and desertification. (10 mks)

 ii. Suggest 3 possible solutions to aridity and desertification. (6 mks)