**NAME………………………………………….CLASS………ADM NO. …………..**

**OPENER EXAMINATION TERM 3, 2022**

**FORM TWO GEOGRAPHY**

**TIME 2 ⅟2 Hrs**

***Answer all the questions in the spaces provided***

1. Define the term ‛habitat’. **2mks**

2. Give **two** types of environments. **2mks**

3. State the relationships between:

 i. Geography and Mathematics. **2mks**

ii. Geography and History. **2mks**

4. a) Describe the origin of the earth as proposed by the passing star theory. (**5mks)**

b) State two weakness of the passing star theory. (**2mks)**

5. Name two instruments that are kept in Stevenson Screen. (**2mks)**

6. List **two** factors that influence atmospheric pressure. (**2mks)**

7. State three characteristics of Inter Tropical Convergence Zone (ITCZ. (**3mks)**

9. State **three** methods of statistical data collection **(3mks)**

10. Given the following set of data: 26,30,25,34,18,19 Calculate the median. **2mks**

11. a) What is marginal information? **2mks**

b) Mention three common marginal information in a map sheet. **3mks**

12. a) Define hypothesis. **2mks**

 b) Name and explain **two** main types of hypotheses. **4mks**

c) Identify **four** possible problems likely to be encountered during field work.(**4mks)**

13. a) Differentiate between a mineral and a rock. **(2mks)**

 b) Explain **two** ways in which metamorphic rocks are formed. **(4mks)**

14. a) Give two ways in which minerals occur. (**2mks)**

 b) Explain **two** negative effects of open –cast mining. **(4mks)**

 c) Explain **two** factors influencing exploitation of trona in L.Magadi. (**4mks)**

15. a) Define the term ‛earth movement’. (**2mks)**

 b) Identify two types of earth movement. (**2mks)**

 c) Explain the continental drift theory. (**4mks)**

16. The diagram below represents parts of the earth’s crust which has been subjected to tensional force. Use the diagram to answer questions that follow.



 a). Identify the type of fault F**. (1mk)**

b). State **two** other types of faults apart from the one mentioned in (a) above. (**2mks)**

 c. Name the angle L. (**1mk)**

d. Name the distance M. (**1mk**)

e. Mention **two** features resulting from faulting. (**2mks)**

17. Differentiate between:

 a) Magnitude and intensity of earthquakes. **(2mks)**

b. Seismic and aseismic zones. **(2mks)**

c. State four effects of earthquakes? **(4mk)**

18. a) Define the term ‛bearing’ as used in Geography. (**2mks)**

 b) Explain the following methods of representing relief on topographical maps.

 i. Pictorial representation. (**2mks)**

 ii. Hachures. (**2mks)**

 19. Identify the **three** types of ground photographs**. (3mks)**

20. The table below represents sugar cane production in five major factories in Kenya. Use it to answer the following questions:

 **Factory Production in ‛000’ tones**

 Sony 50

 Nzoia 100

 Chemilil 200

 Muhoroni 250

 Mumias 400

 a. Using the data above, draw a divided rectangle 15cm length. **(7mks)**

**Use the graph paper provided**

b. Give the difference in tonnage between sugar produced in Muhoroni and Nzoia factory.

 **(1mk)**

21. a) Differentiate between weather and climate. (**2mks)**

 b) State two factors influencing climate? **(2mks)**