**Name………………………………………………………. Adm No……………………...**

**Form……………………………………………………. Date ………………………….**

**PAPER 312/1**

**GEOGRAPHY PAPER 1**

**FORM FOUR**

**TERM TWO 2024**

**TIME: 2HRS 45 MIN**

**Instructions to Candidates**

* Answer all questions in section A.
* In section B, Answer question 6 and any other two questions from the remaining questions.
* Answer all questions using the answer booklet provided.
* Candidate should check that all pages are printed and no questions are missing.

**For Examination use only.**

|  |  |  |
| --- | --- | --- |
| Maximum Score | Candidate Score | |
| Section A. | 25 | | |  |
| Question 6 | 25 | | |  |
| Question 7 | 25 | | |  |
| Question 8 | 25 | | |  |
| Question 9 | 25 | | |  |
| Question 10 | 25 | | |  |
| TOTAL | 100% | | |  |

**SECTION A**

***Answer all questions in this section***

**1**a) What is the relationship between Geography and Economics. **(2marks)**

b) Differentiate between habitat and environment. **2marks)**

**2** a) Distinguish between extrusive and intrusive vulcanicity **(2marks)**

b) Name **two** resultant features due to intrusive vulcanicity **(3marks)**

**3** (a) List **three** components of the solar system **(3marks)**

(b) State **three** characteristics of plane Jupiter. **(3marks)**

**4** (a) State **three** factors which influence how rivers transport their load.**(3marks)**

b) State **two** processes through which a river transports its load. **(2marks)**

**5**a) State **two** characteristics of minerals **(2marks)**

b) State **three** ways in which metamorphic rocks are formed **(3marks)**

**SECTION B**

**Answer question six and Any other two question in this section**

**6.** (a) Study the map of **Kisumu East (1:50,000),** sheet **116/2** provided and answer the following questions.

(i) Convert the **ratio scale** of the map to into a **statement scale**. **(2marks)**

(ii) Give **six figure grid reference** of the trigonometrical station **1154 SKP 21** in the southern part of the area covered by the map. **(2marks)**

(iii) Calculate the bearing of **Rabuor** market from Air photo Principal point in **GR 0986**? **(2marks)**

(b) i) Identify **two** drainage features in the area covered by the map. **(2marks)**

(ii)Using a vertical scale of 1cm to represent 100metres, draw a Cross-section to represent the area between GR:040940 and 040990. **(4marks)**

On it mark and name;

* **the escarpment. (1 mark)**
* **Power transmission line. (1 mark)**
* **Plantation. (1 mark)**

(ii) Describe the relief of the area covered by the map. **(3marks)**

(c) i) Give **two** factors that favour cultivation of sugarcane in the area covered by the map. **(2marks)**

ii) Explain how relief has influenced settlement in the area covered by the map.

**(4marks)**

(d) Students from the school at Mosongo (Grid square 0681) carried Out a field study of the course of the river Ombeyi.

i) State **two** findings they are likely to have come up with. **(2marks)**

ii) Give **two** advantages of studying rivers through fieldwork. **(2marks)**

**7** (a) (i) Differentiate between a coastline and a shore. **(2marks)**

(ii) Name **two** examples of marginal seas. **(2marks)**

(b) i) Apart from oceanic island, name two features on the ocean floor **(2marks)**

(ii) Give **two** examples of *Oceanic Islands* **(2marks)**

(c) (i) State **four** conditions that favour the growth of corals. **(4marks)**

(ii) Explain **three** ways in which corals contribute to the economic development of Kenya **(6marks)**

(d) Members of your class intend to conduct a field study on depositional features along the Kenyan Coast.

(i) State **two** reasons why they would need to carry an atlas during the study.**(2marks)**

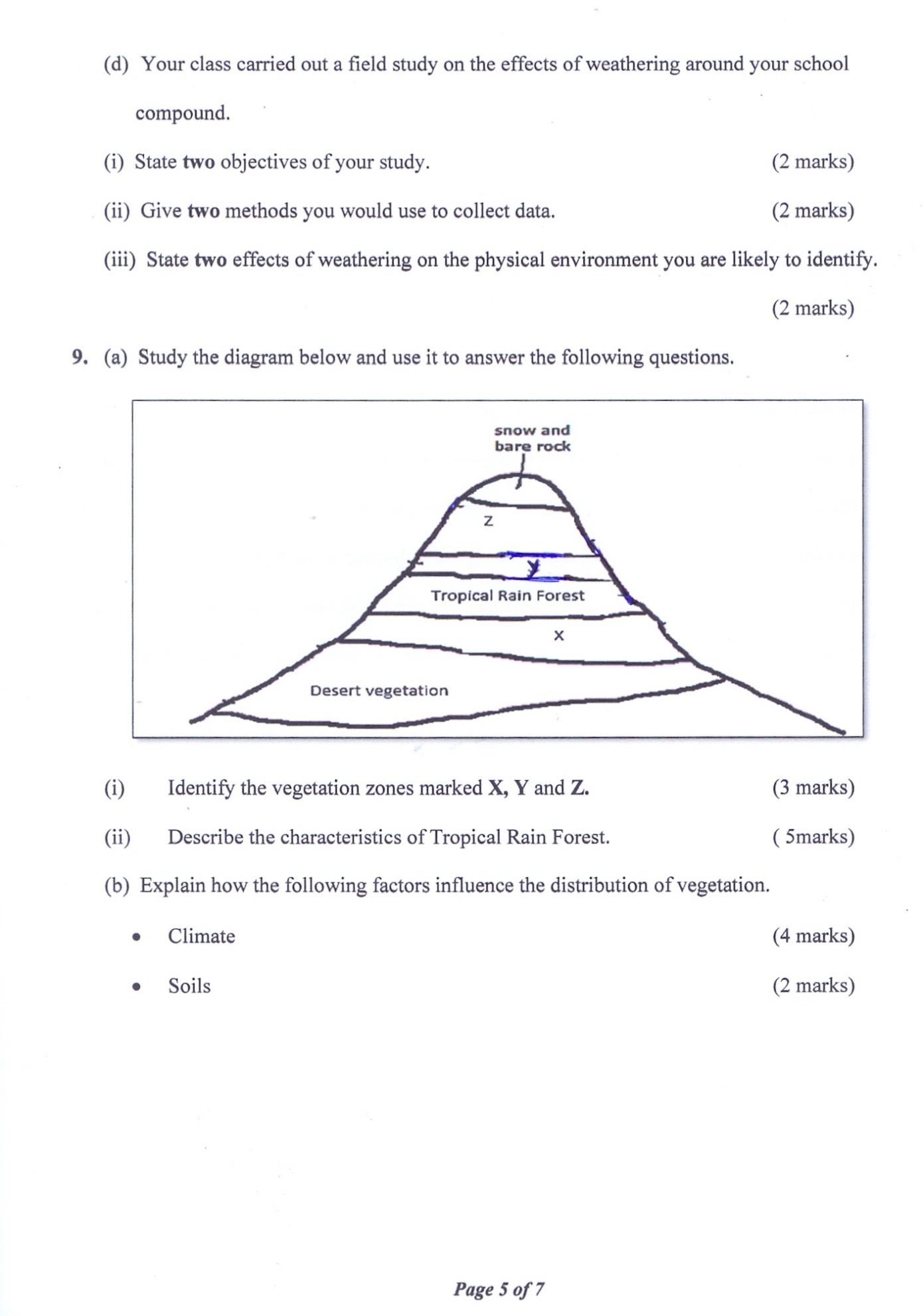
(ii) Name **two** features of deposition you are likely to identify during the study. **(2marks)**

(iii) What problems are you likely to encounter during the field study? **(3marks)**

**8** a) (i) Name two types of vegetation. **(2marks)**

ii) Give **two** physiographic factors influencing vegetation distribution **(2mark**s)

(b) The diagram below shows vegetation zones of an East African mountain. Use it to answer questions b(i) and b(ii) below



i) Name the vegetation zones **X, Y,** and **Z** **(3marks)**

ii) Give **two** reasons why there is no vegetation cover on the top of the mountain.

**(2marks)**

(c) (i) State the names given to temperate grassland vegetation in **(2marks)**

* **North America----**
* **Argentina…………..**

(ii) Explain **three** uses of the vegetation labelled X, **(6marks)**

d) Explain **four** characteristics of tropical desert vegetation **(8marks)**

9 (a) (i) state **two** classifications of soil according to soil order **(2marks)**

ii) Draw a well labelled diagram of a mature soil profile **(4marks)**

(b) i) A part from topography name four other factors that influence formation of soil **(4marks)**

(ii) State three ways in which topography influences formation of soils.**(3mark**s)

(iii) State **three** characteristics of desert soil **(3marks)**

(c) ( i) Name **three** types of soil erosion **(3marks)**

ii) Explain **three** effects of soil erosion on human activities **(6marks)**

10 (a) (i) What is an earth movement? **(2marks)**

(ii) State **three** causes of earth movements. **(3marks)**

(b) i) State **three** boundaries associated with tectonic plates **(3marks)**

(ii) Describe how the Mid Atlantic ridge was formed. **(3marks)**

(c) (i) Other than fold mountains, give two features that result from the folding process. **(2marks)**

(ii) Describe how the Alps and Atlas Mountains were formed. **(6marks)**

(d) Explain **three** positive influences of fold mountains **(6marks)**