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

**312**

**GEOGRAPHY**

**FORM THREE**

**TIME: 2hrs 45 Min**

**END OF TERM II EXAMINATION**

**INSRTUCTIONS:**

**ANSWER ALL QUESTIONS IN SECTION A IN THE SPACES PROVIDED**

**IN SECTION B ANSWER QUESTION SIX (6) AND ANY OTHER TWO QUESTIONS**

**SECTION A: (25MARKS) ANSWER ALL QUESTIONS IN THIS SECTION IN THE SPACES PROVIDED**

1. (a) Give **two** reasons why hardwood tress species in Keya are in danger of extinction **(2mks)**

(b) State **three** ways in which softwood forest in Kenya differ from those of Canada **(3mks)**

2. (a)Name **two** conditions that are necessary for the formation of petroleum **(2mks)**

(b) List **three** ways in which open cast mining affects the environment **(3mks)**

3. (a) Name **three** types of soil according to texture **( 3mks)**

(b) List any **two** methods used is soil erosion control **(2mks)**

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

(b) List any **three** characteristics of modified equatorial climate **(3mks)**

5. (a) What is meant by the term environment (**2mks)**

(b) State **three** effects of the rotation of the earth **(3mks)**

**SECTION B (75 MARKS)**

**ANSWER QUESTION SIX (6) AND ANY OTHER TWO QUESTIONS**

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

6. a) The table below shows the quantity of minerals produced in Kenya in tones between years 2001 and 2003. Use it to answer questions (a) (i) and (ii)

|  |  |  |  |
| --- | --- | --- | --- |
| Mineral | 2001 | 2002 | 2003 |
| Soda ash | 297789 | 304110 | 352560 |
| Fluorspar | 11885 | 85015 | 80201 |
| Salt | 5664 | 18848 | 21199 |
| Others | 6093 | 7000 | 4971 |
| Totals | 321431 | 407973 | 458931 |

1. Using the **square root** method, draw proportional circles to represent the above information. **(7mks)**
2. Calculate the average annual production of soda ash over the **three** years period.

**(2mks)**

1. Calculate the total mineral production for the year 2003 **(1mk)**

Make **two** conclusions from your proportional circles. **(2mks)**

b) Explain **three** ways in which gold mining has contributed to the economy of South Africa.

**(6mks)**

c) State **three** negative effects of mining on the environment. **(3mks)**

d) Students from Nyati Secondary school carried out a field study on a quarry near their school.

i) State **two** objectives of the study. **(2mks)**

ii) State **two** problems they may have encountered. **(2mks)**

7. (a)(i) What is vulcanicity? **(2mks)**

(ii) Name **three** intrusive volcanic features **(3mks)**

(ii) Describe how a hot spring is formed **(5mks)**

(b)(i ) Name the fold mountains found in the following continents **(4mks)**

* Africa\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Asia\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* North America\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* South America\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) Explain the formation of an over thrust fold **(5mks)**

(c) (i)What are earthquakes? **(2mks)**

(ii) Name **two** types of earthquake waves **(2mks)**

(iii) State any **two** ways in which the earth’s crust is affected by earthquakes **(2mks)**

8. (a)Name **three** types of coast **(3mks)**

(b) Using well labeled diagrams, Describe the formation of stump in the sea **(6mks)**

(c) (i) Outline **four** conditions favouring coral growth **(4mks)**

(ii) Explain **three** ways in which coral contributes to the economic development of Kenya**(6mks)**

(d) (i) Give **three** causes of ocean currents  **(3mks)**

(ii) Name **three** types of tides **(3mks)**

9. a) i) What is a desert. **(2mks)**

ii) Name **two** types of desert surfaces. **(2mks)**

b) Explain three factors that influence the development of deserts. **(6mks)**

c) i) Apart from zeugen, name **two** other features formed by wind erosion**. (2mks)**

ii) With the aid of well labeled diagrams, describe the formation of zeugen (**8mks)**

iii) State **three** processes of wind transportation in the deserts. **(3mks)**

d) State **two** factors influencing wind deposition in the deserts. **(2mks)**

10. a) i) Define underground water. **(2mks)**

(ii). State three sources of underground water **(3Mrks)**

iii) State **three** levels of saturation of ground water. **(3mks)**

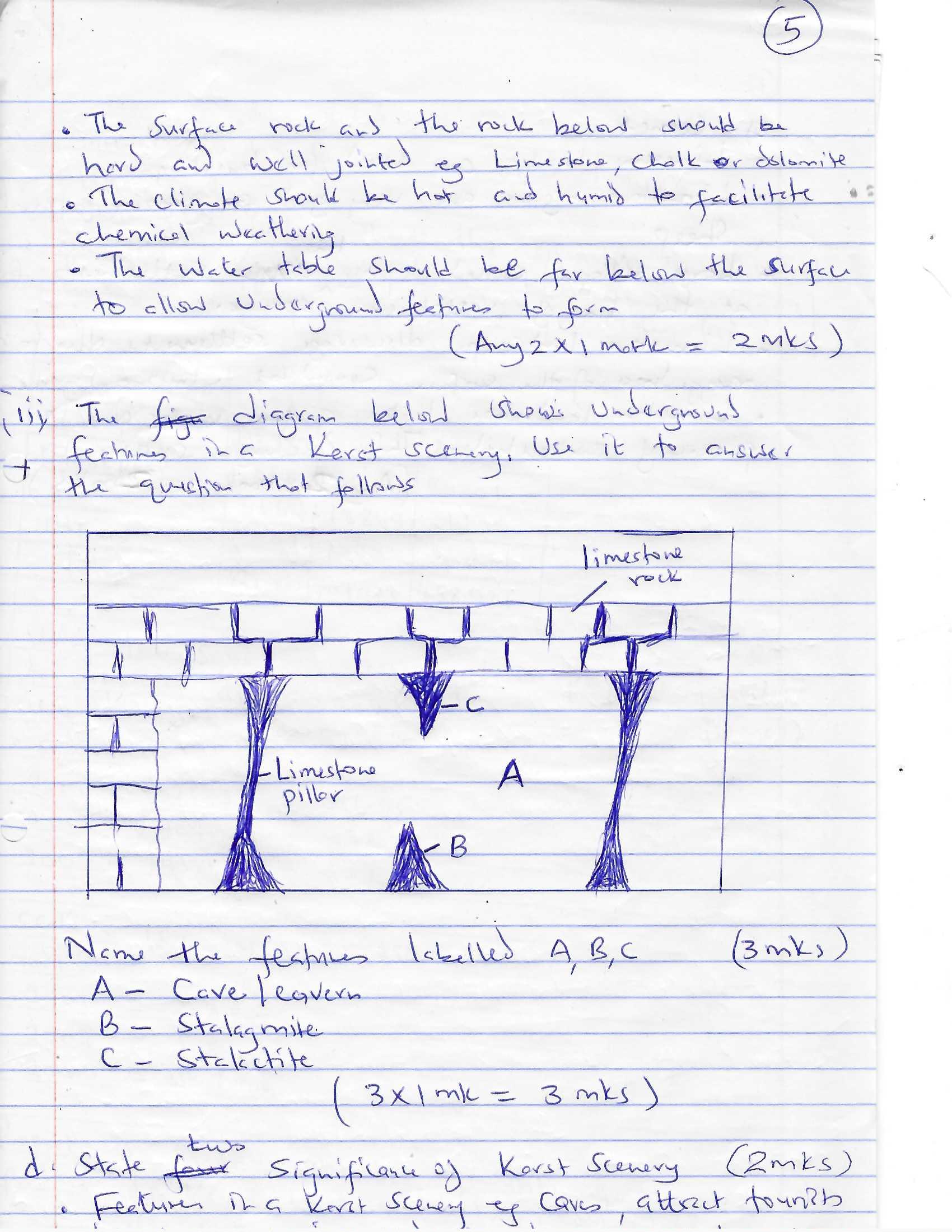
b) i) What is an artesian basin. **(2mks)**

ii) Describe **three** ways in which springs are formed.  **(6mks)**

c) i) What is a Karst scenery **(2mks)**

ii) State **two** factors which influence the development of a Karst scenery. **(2mks)**

iii) The diagram below shows underground features in a Karst scenery. Use it to answer he question that follows.



Name the features labeled A, B, C **(3mks)**

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) State **two** significance of Karst scenery. **(2mks)**