GEOGRAPHY

THE KENYA CERTIFICATE OF SECONDARY EDUCATION

<u>KCSE 2023 QUALITY ASSUARANCE PREDICTION</u>

A KCSE 2023 PREDICTION WITH PRECISION

This PDF Comprises of Expected KCSE 2023 Questions prepared by a panel of top KNEC writers. All the KCSE 2023 Candidates are advised to take the prediction questions therein seriously!

For Marking Schemes Contact

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Mr Machuki

Confidential!!!

Kenya Educators Consultancy Wishes all the KCSE 2023 Candidates the best of Luck ahead of the KCSE National Exams.

THE KENYA CERTIFICATE OF SECONDARY EDUCATION

KCSE 2023 QUALITY ASSURANCE PREDICTION

312/1 GEOGRAPHY

PAPER 1

Name: ……………………………………………… **Index No**: ………………..

Class: ………………………………………… **Candidate's Sign**: ………………

Date: …………………………………………

321/1

GEOGRAPHY

PAPER 1

2 ¾ HOURS

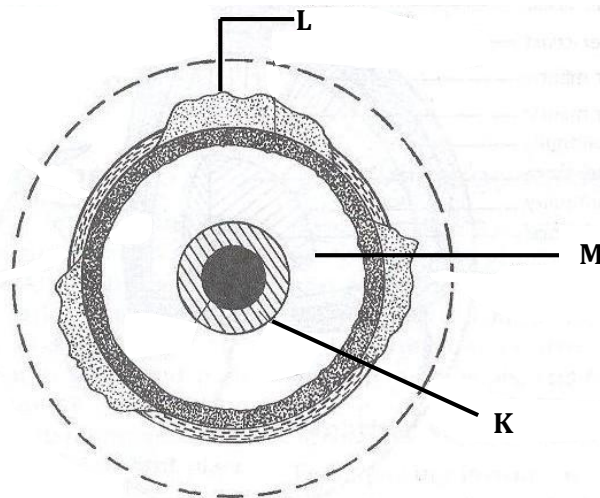**INSTRUCTIONS TO CANDIDATES**

- *This paper has **two** sections **A** and **B***
- *Answer **ALL** the questions in section **A**. In section **B** answer question **6** and any other **TWO** questions.*
- *Candidates should answer the questions in English.*
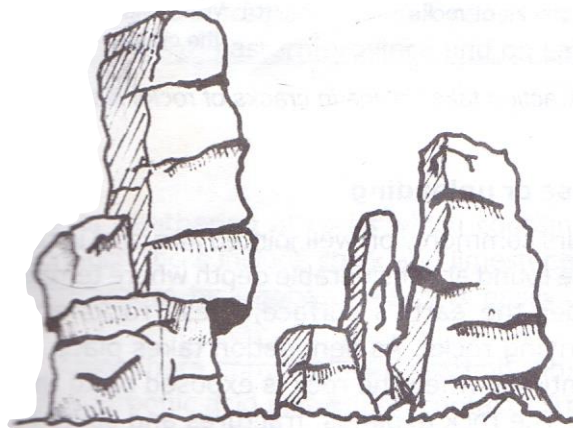- *All answers must be written in the answer booklet provided*

SECTION A
Answer all the questions in this section.

1. (a) Name any *two* constituents of the atmosphere. (2 marks)

   (b) The diagram below represent the structure of the earth. Use it to answer the questions that follow.

   Name the parts marked **K, L** and **M.** (3 marks)

2. (a) Give **two** characteristics of plutonic rocks? (2marks)

   (b) State **three** ways in which rocks are significant to Kenya's economy. (3marks)

3. Use the diagram below to answer the questions that follows.

   (a) Identify the weathering process shown above. (1 mark)

317083

(b)   Describe how rocks are weathered through the above process.   (4 marks)

4.   (a)   Differentiate between till deposits and fluvio-glacial deposits.   (2 marks)

(b)   Describe how roche mountonee is formed.   (4 marks)

5.   (a)   State *two* conditions which influence wind erosion.   (2 marks)

(b)   Name *two* features from water deposition in arid areas.   (2 marks)
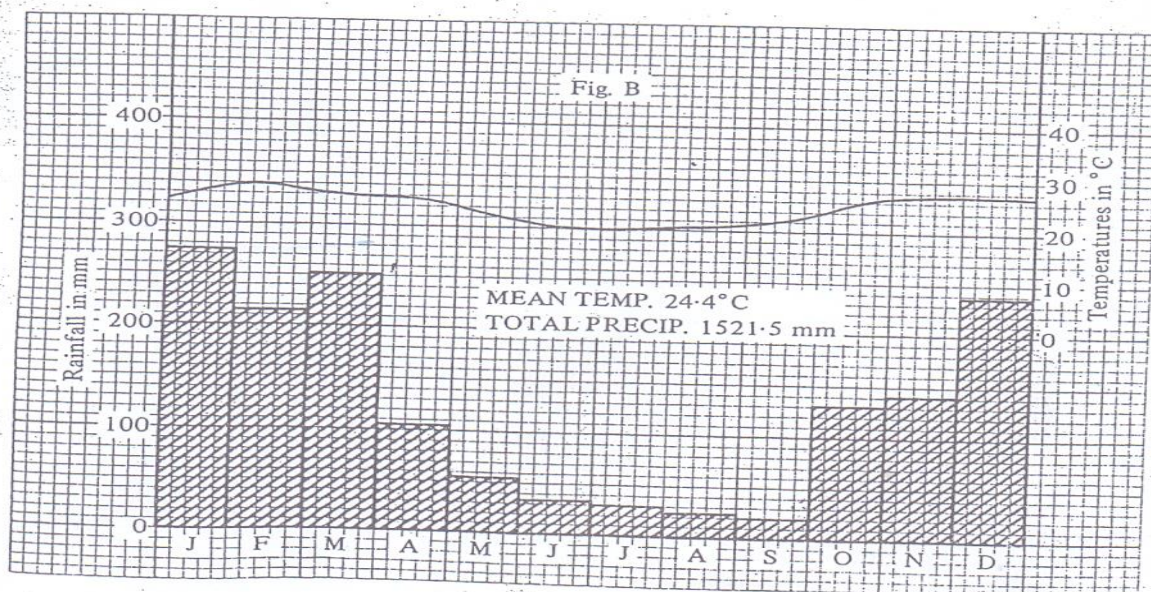
SECTION B

Answer question 6 and any other two questions

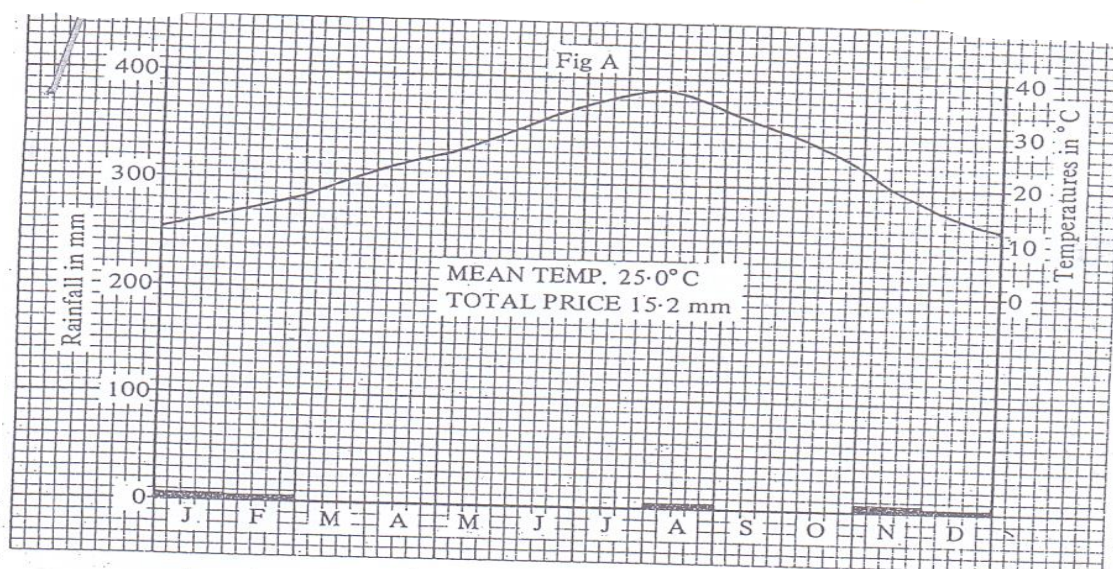6. Study the map of Kitale 1:50,000 (Sheet 75/3) provided and answer the following questions.

(a)   (i)   Give the longitudinal extent of the area covered by the map.
(2marks)

(ii)   Identify the settlement patterns found on the Northern area
covered by the map.
(3marks)

(b)   (i)   Measure the distance of the Kitale Municipality boundary.
Give your answer in kilometers.   (2marks)

(ii)   What is the bearing of the Air photo principal point on the
grid square 2912 from the Air photo principal point on grid square 3516.
(2marks)

(c)   (i)   Draw a rectangle 15cm by 9cm to represent the area East of

Easting 40 and North of Northing 20.   (2marks)

(ii)   On the rectangle mark and name.
- Road C640.   (1mark)
- River Kapsara.   (1mark)
- Rogurr hill.   (1mark)
- District boundary.   (1mark)

(iii)   Calculate the area to the East of the District boundary and to
the South of Northing 23.   (2marks)

(d)   (i) Identify **two** types of vegetation found in the area covered by the   map.(2marks)

(ii)   Explain how drainage has influenced the distribution of settlement in the area
covered by the map.   (3marks)

(e)   Describe the Relief of the area covered by the map   (3marks)

7. (a) (i) What is a weather station? (2 marks)
   (ii) Explain *two* characteristics of Stevenson screen. (4 marks)

   (b) (i) Describe how a hygrometer is used to measure relative humidity.(3 marks)

   (ii) State *two* reasons why the recording of data at the school weather
   station may be inaccurate. (2 marks)

   (iii) Give the reason why air cools as it rises. (2 marks)

   (c) The graphs below shows climate characteristics of two stations in Africa. Use
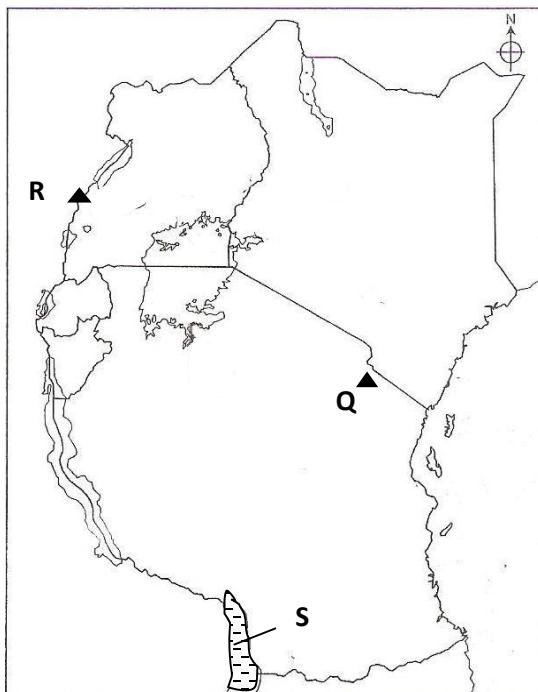   them to answer questions (i) and (ii).

   GRAPH 1

Fig. B

MEAN TEMP. 24·4°C
TOTAL PRECIP. 1521·5 mm

GRAPH 2

(i)   Name the type of climate represented by each graph.   (2 marks)

(ii)   Describe the characteristics of the climate represented by each graph.
                                                                      (8 marks)

(iii) State *two* negative effects of desertification.   (2 marks)

8.   (a)   (i)   What is folding?   (2 marks)

     (ii)   Apart from recumbent fold, name *three* other types of folds.   (3 marks)

     (iii) With the aid of labelled diagrams, describe how a recumbent fold is
            formed.   (6 marks)

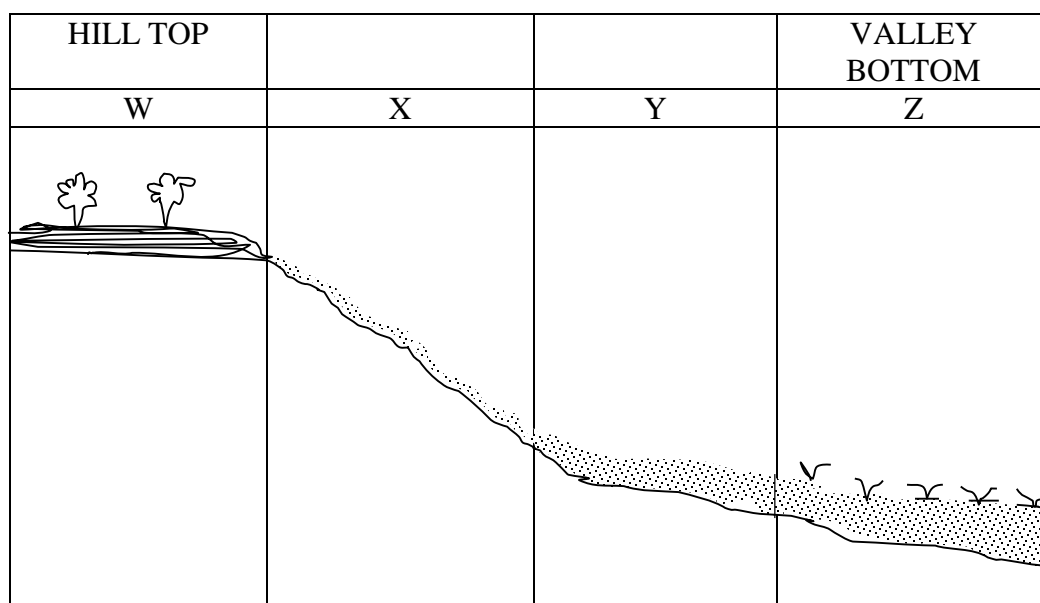   (b)   The map below shows some features in East Africa. Use it to answer
          question (i).

Name;

(i)   the mountains marked **Q** and **R.**   (2 marks)

(ii)   the lake marked **S**.   (1 mark)

(c)   (i)   Give *two* differences between a normal and a reverse fault. (2 marks)

(ii)   Describe how fault block is formed.   (3 marks)

(d)   Explain *three* negative effect of faulting on human activities.   (6 marks)

9.   (a)   (i) What is a river divide?   (1 mark)

(ii) Describe **three** ways by which a river transports its load.   (6 marks)

(b) Describe the characteristics of a river in its old stage.   (7 marks)

(c) Describe each of the following drainage patterns.

(i)   Superimposed drainage patterns.   (3 marks)

ii)   Centripetal drainage pattern   (2 marks)

(d)   Draw a well labeled diagram of the hydrological cycle.   (6 marks)

10.   (a)   (i)   What is soil?   (2 marks)

(ii)   Identify *two* components of soils.   (2 marks)

(iii)   Differentiate between soil structure and soil texture.   (2 marks)

(iv)   Name *two* types of soil according to soil texture.   (2 marks)

(b)   Explain how the following factors influence the formation of soil.

(i)   Climate   (2 marks)

(ii)   Topography   (2 marks)

(c)   The diagram below shows a soil catena.

HILL TOP			VALLEY BOTTOM
W	X	Y	Z

(i)   Name the type of soils found in position **W** and **Z**.   (2 marks)

(ii)   State *two* characteristics of soils found in section marked **W** and **Z.**
                                                                               (4 marks)

(d)   Explain *two* causes of chemical soil degeneration.   (4 marks)

(e)   State *three* measures of conserving soils.   (3 marks)

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312/2 GEOGRAPHY

PAPER 2

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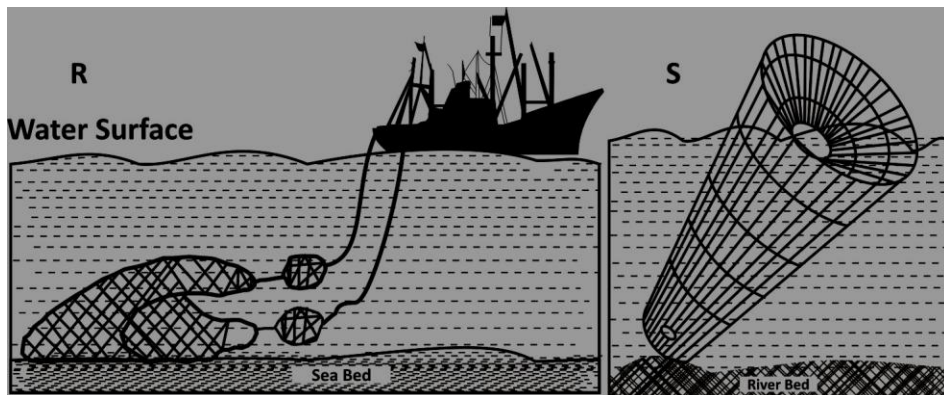
Date: …………………………………………

INSTRUCTIONS TO CANDIDATES

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SECTION A

1. State four ways in which the Kenyan government assists dairy farmers   (4 marks)

2. (a) What is polder?   (2 marks)
    (b) State **three** benefits of the Zuyder Zee project in the Netherland   (3 marks)

3. (a)   The diagrams below represents some fishing methods.

         Name methods **R** and **S.**   (2marks)

   (b)   State **three** reasons why marine fisheries are underdeveloped in East Africa.

                                                                               (3marks)

4. (a) State **three** ways of promoting Eco-tourism in Kenya   (3 marks)

   (b) State **two** reasons why domestic tourism should be encouraged in Kenya.   (2 marks)

5. (a) What is energy crisis?   (2 marks)
   (b) State **three** advantages of using Hydro-Electric power   (3 marks)

SECTION B
Answer question 6 and any other TWO questions from this section.

6. The table below shows crop production in Kenya for a period of five years in 1000 kilograms.

   Use it to answer question (a)

CROP/YEAR	2005	2006	2007	2008	2009
Coffee	1000	900	800	700	800
Tea	700	700	600	680	600
Cotton	500	400	300	600	350

pyrethrum	300	200	300	440	450

(a) (i) Using a scale of 1 cm to represent 200 kilograms present the above data using a compound bar graph. (9 marks)

   (ii) List two advantages of using a compound bar graph to represent statistical data. (2 marks)

(b)(i)Other than Ghana, name other two counties in West Africa where cocoa is grown.(2marks)

   (ii) State three physical conditions that favor the growth of cocoa in Ghana. (3 marks)

(c) Describe how cocoa is processed in Ghana (6 marks)

(d)Give three importance of cocoa production to the economy of Ghana. (3 marks)

7. (a) (i) What is forestry? (2marks)

   (ii) Define agro-forestry? (2marks)

  (b) Explain how the following factors influence the distribution of natural forest.
    (i)   Climate. (4marks)

    (ii)   Altitude. (2marks)

    (iii)   Soil. (2marks)

  (c) Give
    (i)   **Three** characteristics of softwood in Kenya. (3marks)

    (ii)   **Four** characteristics of softwood in Canada. (4marks)

  (d) Explain **three** positive significances of forests products in Kenya. (6marks)

8. (a) (i) Define the following terms.
    ▪ A factory (1 mark)

    ▪ Industrialization (1 mark)

   (ii) Give **three** reasons why the government of Kenya encourages industrialization in the country. (3 marks)
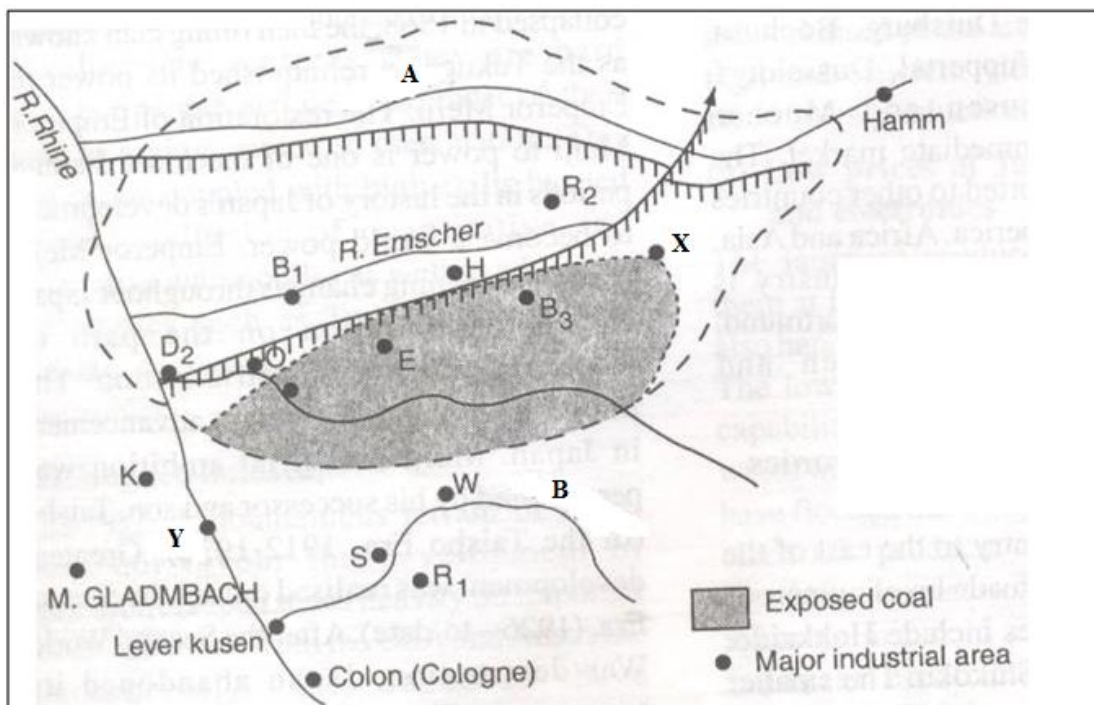
 (b)   (i) Name **two** products of cottage industry in Kenya (2 marks)

    (ii) State **three** characteristics of the cottage industry in India (3 marks)

(c)   (i) Give **two** reasons why primary industries are located close to the raw materials.

(2 marks)

    (ii) Name **three** examples of secondary industries in Kenya.   (3 marks)

(d) The diagram below is a map of the Ruhr Industrial region of Germany. Study it and use it to answer the questions that follow.

   (i)   Name the rivers labeled **A** and **B**   (2 marks)

(ii) Name the industrial areas marked **X** and **Y** (2 marks)

(iii) Explain **three** factors that led to the development of Iron and Steel industries in the Ruhr region of Germany. (6 marks)

9. (a) Define the term population structure. (2 marks)
   (b) State four causes of rural to rural migration (4 marks)
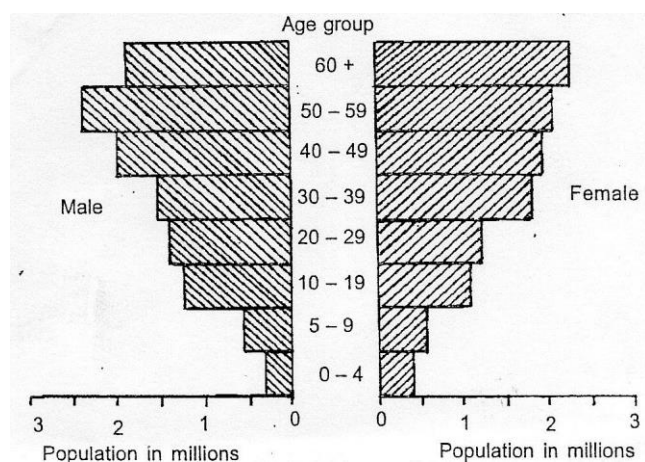   (c) Explain how the following factors have influence population distribution in Kenya.
      (i) Relief (2 marks)
      (ii) Diseases (2 marks)

      (iii) Drainage (2 marks)

(d) The pyramid below represents population structure of a country.

(i)   Identify the stages in the demographic transition which the country represented in the pyramid falls. (1 mark)

(ii)   Describe characteristics of the population as represented by the pyramid. (4 marks)

(iii)   Explain four problems associated with the population represented by the above population pyramid represented by the above pyramid (8 marks)

10. (a)(i) Define the term environment (2 marks)
      (ii) Name two components of environment that must be conserved. (2 marks)
   (b) (i) State four reasons why it is important to manage and conserve the environment. (4 marks)

   ii) Apart from floods, name two common natural environmental hazards in Kenya. (2 marks)

(c) Explain three causes of floods in Kenya. (6 marks)

d) Students from your school carried out a field study on environmental pollution in the county headquarters.

(i) Name two types of pollution they identified. (2 marks)

(ii) Give three findings of the high rate of land pollution in the town. (3 marks)

(iii) State four ways you would advise the local authority to control pollution in the town.

(4 marks)