

Q1. There is a cutting down of trees in village Umuganda. Then senior five students conducted a field work study in that area and they got the following findings:

1000 trees were cut down ,500 trees were just recently planted, 1400 tree seedlings 250 trees had reached maturity.

After gathering the information from the farmers and local authorities, they passed a word of thanks to everyone that had assisted them. The respondents were so happy to see students of such high respect and values. Use the information presented above to answer the following questions:

- Identify the environment concern associated with Umuganda village.
- Explain the environmental conservation measures you would teach the citizens of the above village.
- Extract the statistical data from the passage and use it to construct suitable Pie chart.
- Give a description and interpretation of the constructed graphs.

Q2. Using the table below showing the number of tourists who visited Kenya between the years 1999-2002 to answer the questions that follow.

<b>Orgin/year</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
<b>Britain</b>	100,000	80,000	60,000	40,000
<b>America</b>	80,000	50,000	45,000	45,000
<b>Germany</b>	70,000	40,000	35,000	30,000

- Using a scale of 1cm to represent 20,000 tourists, draw a cumulative bar graph to represent this data.
- Discuss the Advantages and Disadvantages of this graph.

Q3. The table below describes the land use in Rwanda, as of 2011

<b>Use</b>	<b>Percentage of Area</b>
Arable land	46.32
Permanent crops	9.49

Other	44.19
-------	-------

Draw the pie chart representing the data from the above table

Q4. Sale of some major crops to marketing boards '000s' of tones.

Crop	1999	2001
Wheat	53	132
Tea	248	294
Coffee	64	55

a) Draw the proportional circles to represent the data above

b) Explain 2 advantages of technique

Q5. The table showing the crops product in selected areas

Areas	Crop production in '000 tons
X	162
Y	200
Z	340

a) Draw the table of square root and choose the suitable scale to represent them using proportional squares.

Q6. Mean magnetic declination is 20° 43' East of true north (2004). Average annual change is 5' west. Calculate the magnetic declination for 2008.

Q7. The table below shows the approximate population figures (millions) for the UK, 1991

Age groupe	Male	Female
0-4	2	0.9
5-9	2.1	2
10-14	1.9	1.8
15-19	1.75	1.6
20-24	1.8	1.85
25-29	1.6	1.6
30-34	1.5	1.4

35-39	1.45	1.35
40-44	1.5	1.4
45-49	1.6	1.5
50-54	1.45	1.45
55-59	1.45	1.5
60-64	1.4	1.45
65-69	1.15	1.35
70-74	0.7	1.15
75-79	0.45	0.8
80-84	0.3	0.5
85+	0.15	0.3

Comment on the population pyramid drawn from the data given above.

Q8. Study the map below and answer the following questions

- a) Determine the bearing of Khartoum airport from Kampala airport
- b) What is the direction of Mbeya from Mombasa?
- c) Determine the real distance measured from the map of N, O to P
- d) In which hemisphere the following areas are located?
- e) i. Lake Victoria
- ii. Massawa
- iii. Nairobi
- iv. Mogadisu

