PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
JOIN THE REVOLUTION PROGRAM
FORM FOUR PRE NATIONAL EXAMINATION
GEOGRAPHY MARKING GUIDE

1. @ 1 mark

D	A	E	B	A	No answer	C	A	A	D
i	Ii	iii	iv	V	vi	vii	viii	ix	X

2. @ 1 mark

A	B	C	D	E	F
I	ii	Iii	Iv	v	Vi

3. (a) Area of irregular shape in given by:
Full squares + half squares or complete squares + incomplete squares
2 2

$4 + \frac{10}{2}$

= 4+5

= 9 squares **…… 1 Mark**

Apply scale: 1:50,000

From 1km = 100, 000cm

X = 50,000cm

100,000cm x = 80,000cm x 1km
100,000cm 100,000cm

X= ½ km 0r 0.5km

Statement scale = 1cm to 0.5km **…… 1 mark**

Since 2cm = 1km

Area of one scale

1km x ikm = 1km^2

Therefore

Total squire 9 x 1km^2= 9km^2

The area of Balangida lake is 9km^2 **…… 1 mark**

(b) Three ways used to depict relief features on a mapped areas

- Contour line dominated all over the map

-Trigonometric station North of Ghangarou at grid reference 645276

- Bench mark at Sabilo 48+, 46+, 045+, 029+ and 84+,26+ **@ 1 mark = 3 marks**

Form lines dominated in many part of Hanang

(c)- In Central part to West part around lake Balangida the settlement pattern is linear around the soda and salt lake

- In Eastern of Hanang the settlement pattern is semi nucleated especially near to Sabilo and Loto
- In Northern part the settlement pattern is scattered due to Dabil Escarpment **3 marks**

(d) Rocks shown on a map are

- Igneous rocks:- Due to the presesnce of volcanic features ie Crater at grid 680160 and 674155 respectively
- Rock salt due to the presence of Balangida saalt and soda lake in Western part of Hanang (Sedimentary rocks)
- Metamorphic rock - steep slope (Warsh), Denndritic
- Clay rock and Alluvium due to presence of both Dabil Mbuda and Mushangwa Mbuga seasonal swamps in Central part of Hanang **..... 2 marks**

(e) The vertical contour interval (V.I) used on a map is 50 metres look at the deviation between two successive contours

V.I = 20m - Given in the key ……..**2 mark**

(f) Four (4) Human activities

- Mining due to the presence of Balangida lake
- Agricultural activities
- Fishing
- Lumbering **@ 0.5 mark = 2 marks**

4. (a) SOLUTION

i) To find total values

Σx = 900+750+800+400+300=3150 ……. **0.5 mark**

ii) To find mean ($\bar{x}$)

$\frac{\Sigma X}{N} = \frac{3150}{5}$ = 630 …….. **0.5 mark**

iii) To find deviation (d)

Deviation = $x - \bar{x}$

1980= 900 – 630 = 270

1981= 750 – 630 = 120

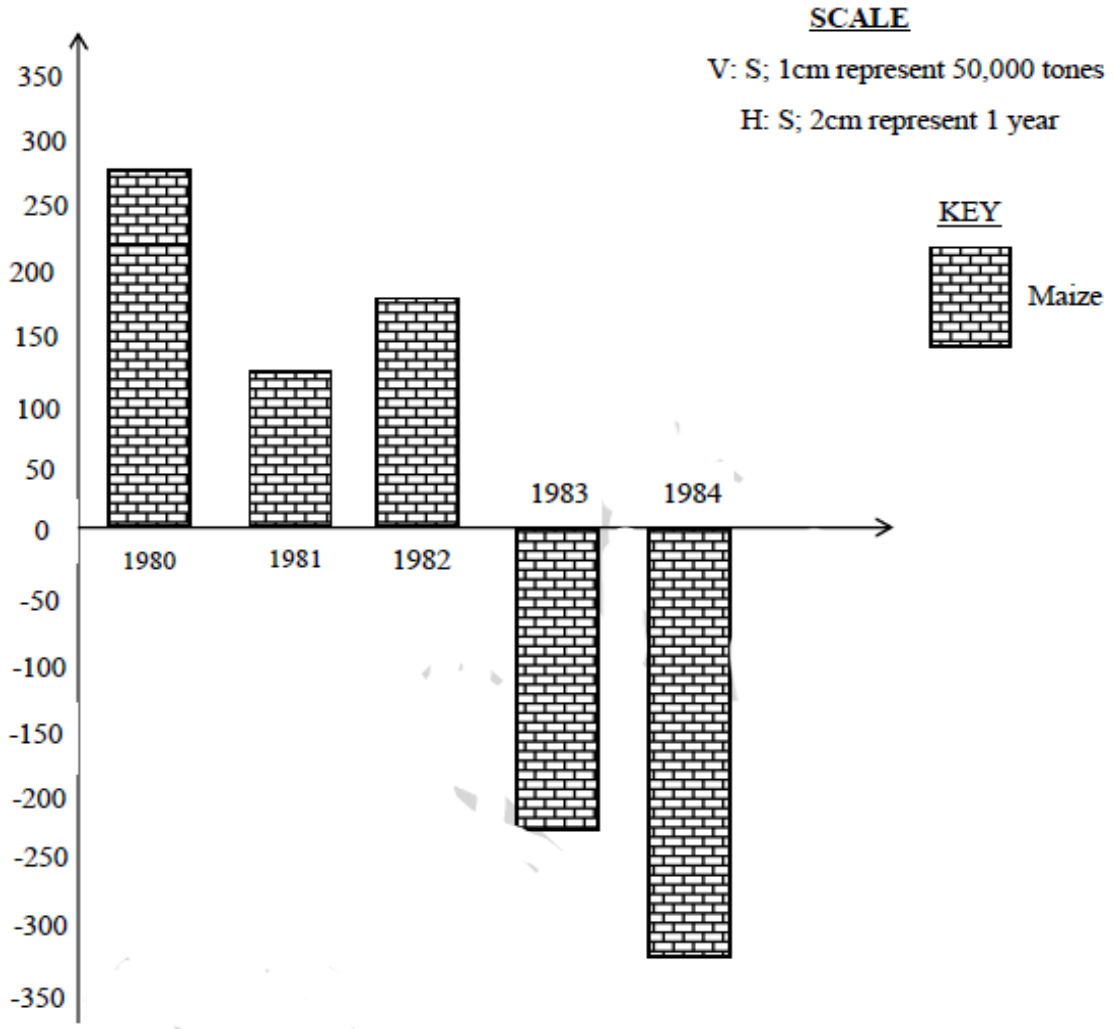
1982= 800 – 630 = 170

1983= 400 – 630 = -230

1984= 300 – 630 = -330 **…….. 1 mark**

iv) To draw a divergent bar graph by using the values of deviation

A DIVERGENT BAR GRAPH TO SHOW MAIZE PRODUCTION AT MOROGORO IN ('000' TONNES) FROM 1980 TO 1984 …….. **0.5 mark**



Scale = 0.5 mark
Diagram = 2 marks

(b) Advantages of Divergent bar graph

i. It is simple to read and interpret.
ii. It shows profit and loss of items. **1 mark**

(c) Steps for construction of Divergent bar graph

i. Find total values (maize)

$$\sum X = X_1 + X_2 + X_3 + X_4 + X_5$$

Ii. Find the mean value of items (maize)

$$\overline{X} = \frac{\sum X}{N}$$

iii) To find deviation (d)

Deviation $= x - \bar{x}$

iv) Draw a divergent bar graph by using the values of deviation. **@ 0.5 mark = 2 marks**

5 Stages for conducting a research

- Problem identification

· Pre-survey

· Literature review

· Formulation of hypothesis

· Research design

· Data collection

· Data analysis

· Hypothesis testing

· Data interpretation

· Report writing **…… 8 marks**

6. (a) - Tape - Arrow
- Cross staff - Chain
- Pegs - Ranging poles **……. 3 marks**

(b) i. Reconnaissance
Ii.Observation and measurement
Iii. Presentation of the survey data collected **……. 2 marks**

(c) i. It helps a surveyor to be familiar of the site
Ii. It help a survey to decide on the method to be used during a survey **……. 2 marks**

(d) Types of obstacles in chain survey
i. Obstacles which do not secure visibility Eg Ponds
Ii. Ostacles which do not secure visisbility and a surveyor can not walk around themEg rivers, hills and thickest forests
iii. Obstacles which obsecure visibility but which allow the surveyor to walk around Eg buildings

@ 1mark = 3marks

7. (i) Ground/Horizontal photograph 1 **mark**

(ii) Advantages
- They are source of information about human activities
- They are used to keep record of events
- They are used for planning and tracking environmental changes **2 marks**

Disadvantages
- They are not used for map making

- They are not easy to calculate distance **2 marks**

8. Factors affecting the rate of temperature
- Latitude
- Clouds cover
- Distance from the sun
- Aspect
- Ocean current
- Wind
- Length of day and night **@ 1 mark = 6 marks**

SECTION C (30 Marks)

9. Introduction : Definition of Sedimentary rocks (1.5 mark)
Main body: Importance of sedimentary rocks
- They provides raw materials for building
- They are source of soil formation
- They are used in the manufacturing of chemicals
- They are used for decoration
- They are used in retaining umnderground water
- They are source of minerals (@ 2 marks)

Conclusion: Any relevant conclusion
Total = 15 marks

10. Introduction Definition of Urbanisation (1 marks)
Main body: Factors influencing urbanisation (4 points)
- Presence of social services
- Presence of good infrastructures
- Availability of employment opportunities
- Peace and security
- Good climatic condition
- Availability of water **(1.5 @ marks)**

Conclusion : Any relevant conclusion (**1 marks)**

Total 15 marks

(b) Introduction :Introduction of Rural-Urban migration **(2 marks)**
Main body: Factors influencing rural to urban migration **(4 points)**
- Presence of social services
- Presence of good infrastructures
- Availability of employment opportunities **(@ 1.5 mark)**
- Peace and security
- Good climatic condition

Conclusion : Any relevant conclusion **(1 mark)**

Total 15 marks

11.

Introduction: Definition of Manufacturing industry **(1.5 mark)**

Main body: Challenges/contraints facing manufacturing industry

- Lack of capital
- Lack of skilled labours
- Poor government support
- Low level of science and technology
- Poor tranport and communication system
- High costs and unreliable power supply **@ 2 marks**

Conclusion: Any related conclusion **(1.5 mark)**

Total = 15 marks