THE UNITED REPUBLIC OF TANZANIA

DODOMA REGION

FORM FOUR MOCK EXAMINATION- 2023

013 GEOGRAPHY- MARKING SCHEME

SECTION A (16 Marks)

1. Each item carries one mark equals to **10 marks**

(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)
E	A	B	D	D	D	C	D	B	A

(1@ 10 Marks)

2. Each item carries one mark equals to **6 marks**

(i)	(ii)	(iii)	(iv)	(v)	(vi)
E	G	A	H	D	J

(1@ 6 Marks)

SECTION B (54 Marks)

3. a) The distance of the road from grid reference 740829 to grid reference 760881 is 17.5 cm

According to the given RF scale 1:50,000

1 cm on the map represents 50,000 cm on the ground…… **(1 Mark)**

Or 1 cm on the map represents 0.5 Km on the ground

1 cm = 0.5 Km

17.5 cm = x

$x = \frac{17.5 \text{ cm} \times 0.5 \text{ Km}}{1 \text{cm}}$…… **(1 Mark)**

x = 8.75 km

The length of the road from grid reference 740829 to grid reference 760881 is 8.75 Km…… (2 Mark)

b) Half squares = 5 x ½ = 2.5 squares…… **(1 Mark)**

Full squares = 70 squares …… **(1 Mark)**

Half squares + Full squares

2.5 + 70 = 72.5 squares

Area of a full square= L x L = L^2

2cmx2cm = $2cm^2$

1m x 1Km = $1Km^2$…….. **(1 Mark)**

So, 72.5 squares x $1km^2$ = 72.5 Km^2

The area at the right hand side of the northing 80 is 72.5 Km^2…… **(1 Mark)**

c) i) Contours E.g. at grid reference 839812…… **(1 Mark)**

ii) Trigonometrical stations E.g. at grid reference 739767…… **(1Mark)**

d) Savanna/ Semi arid region/ Tropical grassland/ Sudan type…….. **(1 Mark)**

e) 1 cm on the map represents 50,000 cm on the ground

1 Km = 100,000 cm …….. **(1 Mark)**

x = 50,000 cm

x = 1 Km x 50, 000 cm
100,000 cm
x = ½ or 0.5 Km…….. **(1 Mark)**

∴ **One centimeter on the map represents a half kilometer on the ground. ……. (2 Mark)**

4. (a) Pie chart (**02 marks for calculation)**

Crops	Values in tonnes	% For each crop	Degree of each value
Maize	90,000	$\frac{90,000}{285,000} x100\% = 31.58\%$	$\frac{31.58}{100} x360\% = 113.69\%$
Rice	65,000	$\frac{65,000}{285,000} x100\% = 22.8\%$	$\frac{22.8}{100} x360\% = 82.08\%$
Potatoes	50,000	$\frac{50,000}{285,000} x100\% = 17.54\%$	$\frac{17.54}{100} x360\% = 63.14\%$
Beans	40,000	$\frac{40,000}{285,000} x100\% = 14.04\%$	$\frac{14.04}{100} x360\% = 50.54\%$
Wheat	20,000	$\frac{20,000}{285,000} x100\% = 7.02\%$	$\frac{7.02}{100} x360\% = 25.27\%$
Sugar	20,000	$\frac{20,000}{285,000} x100\% = 7.02\%$	$\frac{7.02}{100} x360\% = 25.27\%$

TITLE: CROP PRODUCTION OF 2023 (**0.5 mark**)

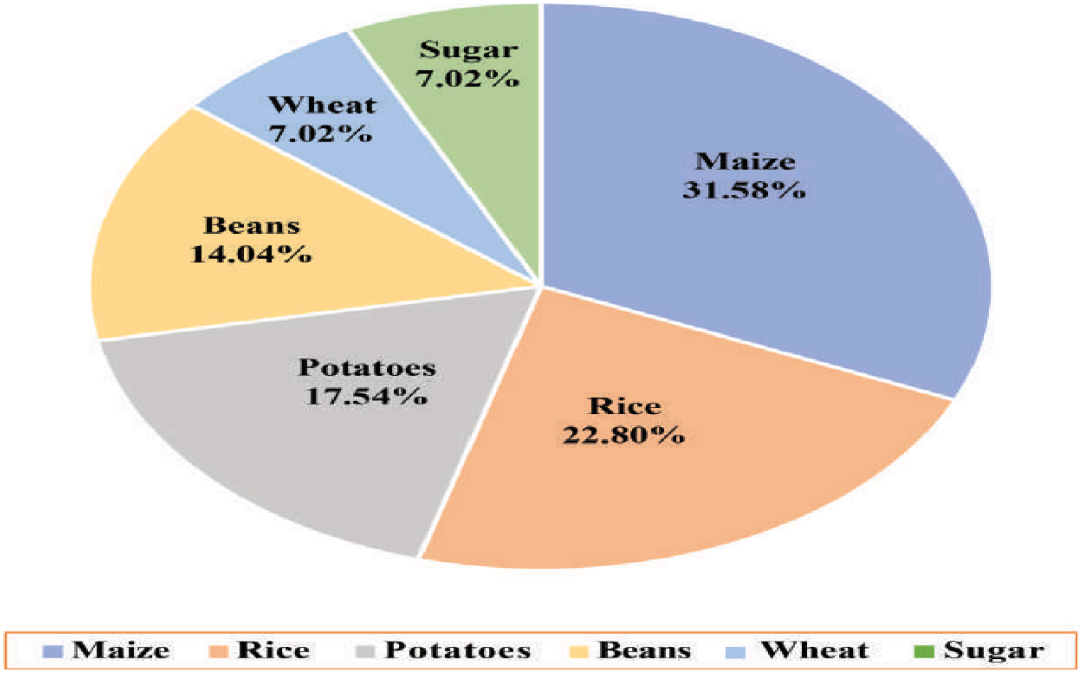


Chart **(02 marks)**
key **(0.5 mark)**

b) i) Simple bar graph
ii) Simple line graph **(02 marks from any method)**
iii) Divergent bar graph
iv) Divergent line graph

c) Disadvantages of pie chart **(@01=02 marks)**

i. Time consuming due many calculation
ii. It is difficult to visualize the proportional differences between values. Where the values of the data set vary slightly.
iii. The actual data is hidden as values shown on the face of the segments may be in percentage or degrees, and represented actual values remain hidden

5. Research question

a) Library research/ literature review (**01 mark)**

b) Importance of library research (**04marks @ 1 mark = 04 marks)**

i. Data collection is made be easily because it based on the extraction of organized information

ii. It is cheap method of data collection because relevant information is readily available.

iii. It is a source of official accepted information

iv. It provides information which may not easily acquired from the actual research

c) Mr. Pompei should prepare the following: (**04marks @ 1 mark = 04 marks)**

i. Research topic

ii. Research tools

iii. Means of transport

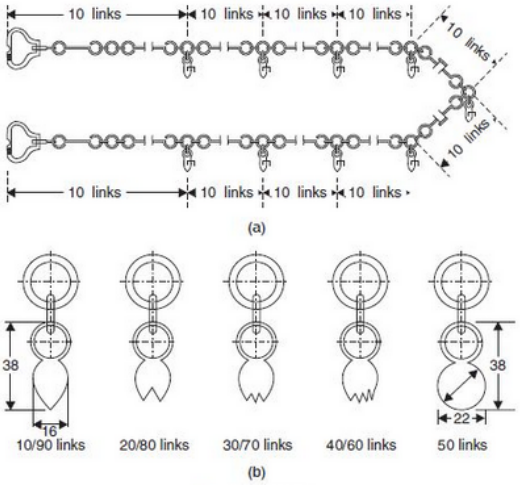
iv. Enough fund

6. Survey question

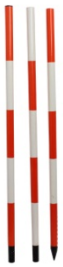
a) Chain survey (**01 mark)**

b) Equipment's to be used in chain survey **(03 marks from any equipment)**

i. The chain



ii. Ranging rod



iii. The peg



iv. The cross staff

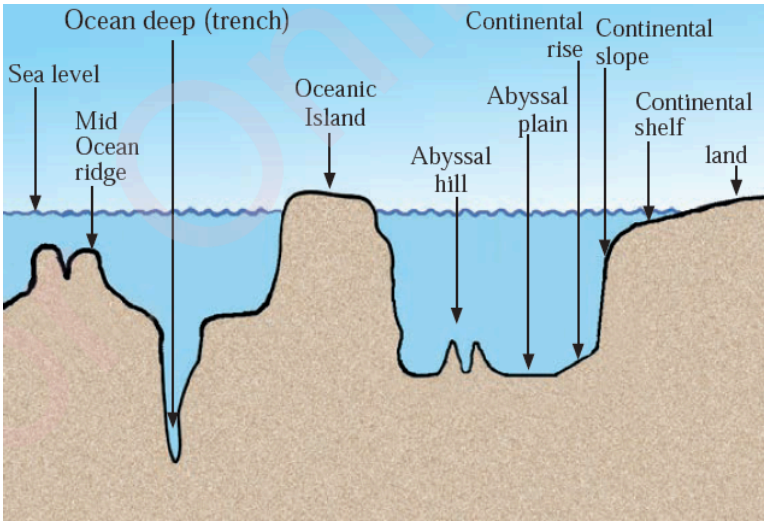


c) Objectives of land survey (**05 marks)**

i. Survey can be carried out to determine the size and shape of a farm, a lake, or a mountain so as to make plans and maps
ii. To collect land details.
iii. To locate features
iv. To determine horizontal and vertical distance
v. To determine direction of features

7. Photograph question,
   a) Folding mountain (**01 mark)**
   b) Due to wrinkling of the earth crust. Force operate is compressional force of the earth crust during internal earth movement. (**02 marks)**
   c) Usambara and Uluguru in Tanzania, Himalaya in India, Andes in south America, Rockies in north America and Alps in Europe. (**03 marks)**
   a) List three (03) economic importance of the feature (**03 marks)**
      i. Tourist attraction
      ii. Act as water catchment areas and source of a rivers
      iii. Source of valuable minerals such as coal and petroleum

8. Draw and label eight (8) features of ocean floor. **(09 marks)**



SECTION C (30MARKS)

9. Meaning of green tourisms

Green tourism refers as an integrated approach that involves carrying out tourist activities with minimum negative impacts to the environment (**02 marks)**

Main body (challenges facing green tourism in Tanzania) **(2marks @ for 6 points)**

i. Threat or damage to indigenous cultures
ii. Degradation of the ecosystem may still occur
iii. Travel could disrupt the environment

iv. Possible relocation of local as ecotourism inevitably leads to development
v. Growing number of eco-tourism organization working for profit
vi. Drought that lead to disappearance of some species.

Conclusion

Candidate required concluding with the solution to solve the challenges like reducing the impacts of environment, to educate the society about the importance of environmental conservation. (**01mark)**

10. Introduction

- The candidate should define small scale crop cultivation/small scale agriculture/subsistence farming.
  - Small scale crop cultivation/agriculture/subsistence farming is the growing of crops on a piece of land. It aims at producing enough food for family consumption only. **(01 Mark)**
- The candidate should give the techniques of improving small scale crop cultivation/small scale agriculture/subsistence farming.
  - Training
  - Use of hybrid seeds
  - Establish cooperative unions
  - Establish irrigation schemes
  - Provision of soft loans
  - Reduce the rate of population growth

  1 Mark for a correct point with irrelevant explanation
  2 Marks for a correct point with correct explanation
- The candidate should give a relevant concussion
  - Suggestion on the ways of improving small scale crop Cultivation/small scale agriculture/subsistence farming.
  - Solutions for solving problems facing small scale Crop cultivation/small scale agriculture/subsistence farming

  2 Marks for a relevant conclusion

11. Introduction

Definition of urban development it refers as the expansion of town as a result of birth rate and change of town boundaries. (**3 marks)**

Main body

Effect (negative impact of urban) development **02marks @ for 5points**

- Construction activities like roads and settlement lead to clearing of vegetation hence cause land degradation
- Development of industries lead to emission of fumes and gases that pollute the air hence global warming
- Improper dumping of waste material led to cause environmental pollution.
- It can cause the loss of biodiversity due to excessive clearing of forest
- It also causes deforestation due to clearing of vegetation for settlement

Conclusion

Candidate required concluding with the importance of urban development like employment opportunities, and improvement of social services. (**02 marks)**