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FORM FOUR SERIES No. 07

GEOGRAPHY MARKING GUIDE

SECTION A (16 MARKS)

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i	ii	iii	Iv	v	vi	vii	Viii	ix	x
C	A	A	D	B	A	D	C	E	D

2.

LIST A	i	Ii	iii	iv	V	vi
LIST B	B	D	G	I	A	E

SECTION B (70 MARKS)

3. (a) Methods of calculating area of the irregular shapes

- Square or tracing method
- Construction of geometrical figures
- Stripping methods

@ 1 mark = 3marks

(b) Land uses are

- Fishing due to the presence of lake located at east part of the map**@ 1.5mark = 3 marks**

(c) Steps for measuring bearing

- Identify two points A and B
- Draw a straight line to join A and B
- Use protractor to measure the angle from North clock-wise to point B**@ 1 mark =3mark**

4. a) i) Add up all the totals of the values to represented to get a grand total

ii) Find the percentage of each value using the grand total

iii) Get the size of the segments and find out their degrees for example 22.8% represent 82.08°)

iv) Find the number which will give the size of the segments or divisions, multiply each percentage by 360

v) Draw a circle of a convenient size and divide it using a protractor into segments corresponding to the degrees of each value.

vi) Shade the segments (Darker colors are best used for the smaller segments)

vii) Shade and label each segment

viii) Complete the pie chart by giving its heading

4.5 Marks

b) Disadvantage of pie chart

i) Represented actual values remain hidden

ii) It is difficult to visualize the proportional differences between values

iii) The values of data set vary slightly

4.5 marks

Any relevant point

5. a) Literature review **3 marks**

b) Advantage of literature review

- It helps to gain experience from other scholars who worked on related areas of study
- It limits duplication of the study
- It acts as a bases for perfect hypothesis **@ 1mark = 6 marks**
- It provides opportunities to improvement or elimination of challenges
- It saves time by preventing unexpected difficult in the current study
- It provides theoretical frame work for the study

6. a) i. Chain:- It is made up of steel wire and it has a length ranging between 20m and 40m . It is used to measure short straight distance.

ii. Tape: - It is made up of steel or coated linen. It is used to measure short distances

iii. Ranging poles: - Are straight round rod ranging between 30mm and 40mm thick.

They are used to mark temporary stations or points.

iv. Pegs: - They are short pieces of metal or woods. They are used to mark permanent points or stations.

v. Cross staff: - It is made up of metal or wood with eye slit at right angles fitted on a stand. It is used to establish right angles on a ground perpendicular to the survey line.

vi. Arrows:- Are made up of steel wire of 35-40 centimeters long. They are used to mark temporary position a ground during a survey.

vii. Note book: - Used to record all observations and measurements during a survey. **@ 0.5 = 3 marks**

(b) Procedures for conducting chain survey.

i. Reconnaissance

- It involves visiting to the areas where a survey can be conducted so as to be familiar with it be actual survey.

ii. Observation and measuring

- It involves establishment of the point that would be used as a station. Also it involves determination of relative position and size of both natural and artificial features

iii. Presentation of survey data collected

- Data can be presented into a way that can be easily understood by a user. They can be presented inform of map, lines or plans **@ 1 mark = 3 marks**

b) i) The leader

Is the one who initiates movement along the line of traverse.

ii) The follower

This is a member of the survey team who puts the ranging pole, arrow or peg at the right point and holds the chain straight to the point.

iii) The booker

Is a professional surveyor who works in the field as a recorder, sketcher and collector of all data obtained during the survey process **3 marks**

7. (a) Water pollution **1mark**

(b) Causes of water pollution

- Industrial activities

- Agricultural activity
- Mining activity **@ 1 mark = 3 marks**
- (c) Measures taken to overcome
 - Provision of education
 - Provision of strictly law
 - Proper waste management **@ 1 mark = 3 marks**
- (d) Ground photography
 - Objects are seen clearly
 - It covers small area **@ 1 mark = 2 marks**
- 8. i) Faulting **1 mark**
 - ii) a) Normal fault b) Reverse c) Transform fault
 - d) Overthrust fault
 - e) Monocline fault **@ 1 mark = 5 marks**
 - iii) a) Lateral forces of either compressional or tensional forces
 - b) Caused by normal faults **@ 1.5 mark = 3 marks**

SECTION C (30 MARKS)

9. Introduction: 1.5 mark

Main body 12 marks @ = 2 marks

- Availability of employment opportunities
- Good infrastructure
- Presence of social services
- Peace and security
- Development of science and technology

Conclusion 1.5 mark

10. Introduction: 1.5 mark

Main body 12 marks @ = 2 marks

- Enough capital
- High science and technology
- Good transport and communication system
- Presence of good policy from the government
- Availability of market
- Availability of skilled labor

Conclusion 1.5 mark

11. Introduction: 1.5 mark

Main body 12 marks @ = 2 marks

- It improves living standard of the people
- It provides employment opportunities
- It is the source of income
- It leads development of the trade
- It avoids high cost
- Any relevant point

Conclusion 1.5 mark

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