THE NATIONAL EXAMINATIONS COUNCIL OF TANZANIA



CANDIDATES' ITEM RESPONSE ANALYSIS REPORT FOR THE ADVANCED CERTIFICATE OF SECONDARY EDUCATION EXAMINATION (ACSEE) 2019

113 GEOGRAPHY

THE NATIONAL EXAMINATIONS COUNCIL OF TANZANIA



CANDIDATES' ITEM RESPONSE ANALYSIS (CIRA) REPORT FOR THE ADVANCED CERTIFICATE OF SECONDARY EDUCATION EXAMINATION (ACSEE) 2019

113 GEOGRAPHY

The National Examinations Council of Tanzania
P.O.BOX 2624
Dar es Salaam, Tanzania
©The National Examinations Council of Tanzania, 2019
All rights reserved

Published by

TABLE OF CONTENTS

FOF	REWO)RD	iv
1.0	INT	TROCUTION	1
2.0 2.	QU 1 113/	ALYSIS OF THE CANDIDATES' PERFORMANCE IN EACH ESTION 1 GEOGRAPHY PAPER ONE	2
		Question 1: Topographical Map Interpretation	
	2.1.2	Question 2: Simple Survey and Map Making	12
	2.1.3	Question 3: Field Research Strategies	16
	2.1.4	Question 4: Photograph Interpretation	21
	2.1.5	Question 5: Study of Soils	29
	2.1.6	Question 6: Water Masses	37
	2.1.7	Question 7: Position, Behaviour and Structure of the Earth	42
	2.1.8	Question 8: Space Dynamics	48
	2.1.9	Question 9: The Dynamic Earth and Consequence	53
2.		13/2 GEOGRAPHY PAPER TWOQuestion 1: Population and Development	
	2.2.2	Question 2: Population and Development	63
	2.2.3	Question 3: Population and Development	69
	2.2.4	Question 4: Agricultural Development	74
	2.2.5	Question 5: Livestock Keeping and Management	79
	2.2.6	Question 6: Sustainable Use of Forestry	87
	2.2.7	Question 7: Environmental Friendly Tourism	94
	2.2.8	Question 8: Sustainable Fishing	101
3.0	PEI	RFORMANCE OF CANDIDATES IN EACH TOPIC	106
4.0	CO	NCLUSION AND RECOMMENDATIONS	107
4.		ONCLUSION	
4.	2 R	ECOMMENDATIONS	107
App	endix .		108

FOREWORD

The report on the Candidates Item Response Analysis (CIRA) for the 2019 Advanced Certificate of Secondary Education Examination (ACSEE) in the Geography subject has been prepared by the National Examinations Council of Tanzania (NECTA). The report is aimed at providing feedback to different education stakeholders including: students, teachers, parents, policy makers, and the general public on the performance of candidates and the extent to which the instructional goals and objectives were met.

The ACSEE marks the end of the two years of the advanced level of secondary education. It is a summative evaluation which shows the effectiveness of the education system in general and the delivery of the education system in particular. Basically, candidates' responses to the examination questions indicate what the education system was able/ unable to offer to the students in their two years of the Advanced Certificate of Secondary Education.

In this report, the analysis of each question has been done, and different categories of information have been shown with figures and graphs. The analysis shows that the factors that have contributed to the candidates' ability to answer the examination questions correctly and score high marks include the candidates' ability to understand the demands of the questions, having the basic knowledge of the subject matter, possess skills in computing and drawing, and good mastery of the English language and essay writing skills. However, candidates with low scores depicted contrary attributes.

The National Examinations Council of Tanzania believes that, this report shall serve as the basis for enabling all educational stakeholders, including education administrators, school managers, teachers and students, to identify proper measures to take in order to improve candidates' performance in future examinations administered by the Council.

Finally, the National Examinations Council of Tanzania is grateful to all examination officers and other stakeholders who provided valuable assistance in the preparation of this report.

1/19

Dr Charles E. Msonde **EXECUTIVE SECRETARY**

iv

1.0 INTROCUTION

The 2019 Advanced Certificate of Secondary Education Examination (ACSEE) in the Geography subject was set according to the 2011 Examination Format which is based on the 2010 Geography syllabus. The examination consisted of two papers, Paper One and Paper Two.

Paper One consisted of two sections, A and B. Section A had four (04) questions from the following topics: Topographical Map Interpretation, Simple Survey and Map Making, Field Research Strategies, and Photograph Interpretation. The candidates were instructed to answer Question 1 and any other question from the remaining questions making a total of two (2) questions in this section. Section B had five (5) questions which were set from the following topics: the Study of Soils, Water Masses, Dynamic Earth and Consequences, Space Dynamic and Position, Behavoiur and Structure of the Earth. Out of the five (5) questions, the candidates were required to answer any three (3). As such, the candidates were required to answer a total of five (5) questions in this paper.

Paper Two consisted of two sections; A and B. Section A had three (3) questions which were set from the topics on Population and Development and the candidates were required to attempt two questions. Section B had five (5) questions set from the following topics: Agriculture, Livestock Keeping and Management, Sustainable Use of Forestry, Environmental Friendly Tourism, and Sustainable Fishing. The candidates were required to attempt three questions in this section. Therefore, in this paper, the candidates were required to attempt a total of five (5) questions.

This report analyses the 2019 performance of the school candidates who sat for the ACSEE in the Geography subject. In the analysis, the performance in each topic is ranked as weak, average, and good if the percentage of candidates' scores lies in the range of 0 to 34, 35 to 59, and 60 to 100 respectively.

A total of 46,489 candidates sat for the ACSEE 2019 in the Geography subject, out of which, 46,036 candidates (99.52%) passed while, 224 (0.48%) failed. Generally, the performance in 2019 improved by 0.34% compared to that of 2018, in which, 99.18% of the candidates passed, and 0.82% failed.

This report provides an analysis on the performance of the candidates in each question by showing what the candidates were required to do as well as the strengths and weakness in their responses. Samples of the candidates' answers are attached to illustrate their responses. It is expected that the report will be useful to all educational stakeholders and will enable teachers and students to improve the teaching and learning process in the Geography subject.

2.0 ANALYSIS OF THE CANDIDATES' PERFORMANCE IN EACH QUESTION

The Advanced Certificate of Secondary Education Examination (ACSEE) in the Geography subject is designed to test the candidates' ability to comprehend and apply knowledge in new situations, demonstrate analytical and reasoning skills, interpret geographical phenomena such as physical features, photographs and maps, and to draw conclusions from the observations and interpretations. The questions required the candidates to handle more of higher order tasks.

2.1 113/1 GEOGRAPHY PAPER ONE

SECTION A: Topographical Map Interpretation, Simple Survey and Map Making, Field Research Strategies and Photograph Interpretation

2.1.1. Question 1: Topographical Map Interpretation

This question consisted of seven parts in which, the candidates were instructed to study carefully the map extract of Tabora (sheet 118/2) provided, and answer the given questions. In part (a), they were supposed to find the distance of railway line from Itulu (grid reference 837345) to Tabora (grid reference 800456) kilometers. In part (b), they were to calculate the area covered by seasonal swamps in square kilometer. In part (c), they were to outline two methods which have been used to represent the relief of the area, while in part (d), they were to identify six human activities taking place in the area by providing concrete evidence from the map; in part (e), they were to suggest the type of climate and provide evidence from the map, and in part (f), to explain three factors which led to the presence of seasonal swamps in the mapped area. The total marks allocated for this question were 25.

Since the question was compulsory, therefore it was attempted by all the candidates (100%). It followed that 38% scored from 15 - 25 marks, 50.4% scored 9 - 14.5 marks, and 11.5% scored from 0 to 8.5 marks. The general performance in this question was good since 88.4% of all the candidates who attempted this question scored 9 marks and above. Figure 1 summarises the candidates' performance in this question.

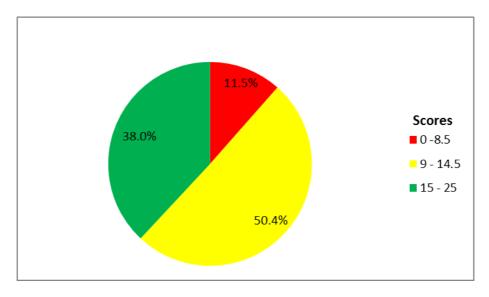


Figure 1: Trend of the Candidates' Performance in Question 1

The candidates who scored from 15 to 25 marks showed good knowledge of the topic of Topographical Map Interpretation, especially on the concept of measurement of distances and areas. Furthermore, most of them used correct methods used of showing the relief of the mapped area. They interpreted economic activities taking place in the area, the types of climate and conditions for the occurrence of seasonal swamps. In part (a), a big majority of the candidates calculated the distance of the railway line from Itulu grid reference 837345 to Tabora grid reference 800456 in kilometers which was $12.0 - 13.0 \, km$.

In part (b), the candidates were able to calculate the area covered by seasonal swamps in square kilometers which was 34 km^2 . These candidates were able to apply correct formulae and procedures, whereby in the first step, they counted the total number of squares as follow;

```
Complete squares = 0,

Incomplete squares = 68/2,

Therefore, the total number of squares = 34.
```

In the second step they calculated the area of one square as follows:

The length of one side of square = 2cm and

 $Map\ scale = 1:50000$

Therefore the area of one square = (side x side) or side² = 1km x $1km = 1km^2$.

Finally they calculated the area which was $34 \times 1 \text{ square} = 34 \text{km}^2$.

In part (c), they outlined two methods which have been used to represent the relief of the area such as *contours which are covering all over the map* and *spot height* as *used at grid reference 816346 and 792387*.

In part (d), they managed to identify six human activities taking place in the area with concrete evidence from the map as:

crop cultivation due to the presence of scattered cultivation; pastoralism due to the presence of veterinary center at grid reference 805425; lumbering due to the presence of forest at Noalikwa area; trade due to the presence of marketing places, all weather roads and railway line; transport and communication due to the presence of railway line, roads, airport, radio tower, telegraph and telephone; fishing due to the presence dam, rivers and seasonal swamps and tourism due to the presence of antiquity, milestone and hills.

In part (e), they suggested the type of climate as tropical climate because the area is located at 5⁰ 5' from the equator, presence of seasonal swamps almost all over the area and few rivers and streams, vegetation covers like scrubs, scattered trees and woodland also presence of economic activities like pastoralism.

In part (f), they were able to explain three factors which led to the presence of seasonal swamps in the mapped area which are; *relief*, *climatic* condition, nature of the rocks, nature of vegetation and type of the soil.

However, their marks varied from 15 to 25 depending on the strengths and accuracy of their responses as some of the candidates did not get all the items correct. Extract 1.1.1 is a sample of a candidate who performed well on this question.

1(9)	The map distance of railway from Itulu to Tabora	:
	16 24.5 cm,	
	from the scale of the Map.	
	1:50,000	
	1km = 100000cm	
	1 km = 1 00000 cm	
	1 km x 50000 cm - 5,	
	1 km x 30000 cm = 5, km	
	= ½ km.	
	Then:	
	1cm to /2 km	
	2 Lp 5 cm to ?	
	24. rcy x 1/2 km = 24.5 km,	
	1¢m 2 2m),	
	= 12.25 =12.3.km	
	Tabora 11 12:25kmorl2:3km	
	Tabora 1 12.25kmori2.3km	
	<u>હ્યા</u> મ	
	Data given	-
	full square = 0 square	
	Half squere = 68 squere:	
	Area = foll square of Half square	
	2,	
	= 0+ 68 = 84.	
	2	

10	Area 2 34 Square.
	Consider To one square area.
	Rim
	2cm,
	Aca z LXL
	= 2cm x zem
	= 4cm2
	-
	Avea = 4cm²
	0 1-
	from the scale of the kap.
	1:5000
	1 km to 100000cm
	·
	1km x50000 cm = 5 km = 2 km
	tten
	1em to 1/2 km.
	sque te 1 cale. (1cm) L to (Xkm) L
	1 cm2 to leg km2
	4cm2 to ?
	4 cmil x / fland = 1 km²
	4 cm2 × /p lan2 = 1 km2
	Ace of one signe to 1km2
	bot the is 34 square.

.01	A11 7 16010	
7(P)	Area 2 1 Km2 x 34,	
	1	
	hea 2 34 Km².	
	, he area of the seasonal swampy are 34 km2	
	(/	
1(0)	The following are the Method which have been	
	used to represent relief of the rueq.	
	(1) contour line method; This is the method used to	
	show the area with uniform height + Example	
	in the map as used to show tills whe matolo	
	Hills and sherzmetoko hills at the worth evert of	
	the mapped area.	
	(11) Layer colonning and naming! This is the system of	
	using when or sleding to represent the patiene	
	in the map. Example green where have been used	
	to the map to show Noalikux forest at the	
	switten corner of the happed area.	
1.19)	The following are the human actuation taking place	
ΣV	in the aven	
	i) Trading activities: This is due to the availability of	
	note the formation of Tagres, France	
	market and denserly population at TABORA, Example Mkt-named in the map represent worket at Tabora	
	The removed in we made represent transfer of lapore	
	Town at go the wortern part of the wap.	
	(i) Cultivation of crops as shown in the happed area due	
	to the availability of the word cultivation workton	
	In the map expersely at the west and souther part	
	of the map where there it's spersely population,	
	·	

1.1d) (iii) Lumbering activities might be taking place after	
area in such a way that the presence of Purell	
at the southern women of the mapped area and	
availability of wovefland impling the presence of	
Lumbering.	
(iv) Crazing or Livestock keeping ! This is due to the	
presence of Scribs around switten and fection	
part of the mapped area which provide postine	
for cattle. Also the presence of seasonal twampy	
and nivers provide water for the animals!	
(V) Transportation activities: due to the presence of	
variety means of transport in the Mapped area	
Include Road, and reilway. Example railway from	
Itolo to Tabora facilitate transportation	
(vi) Administration activities proved by the presence of	
postal office, mission and prove statein at Tabora	
Town.	
1.18) The climate of the area may be Tropreal chimate	-
due to the following evislence.	
(1) latitude negrovement indicating 5°61 which range	
to equitinal and Trapolal Minate.	
(ii) Most of the vegetation cover shown on the mapped	
area Whe scrobs and woodland are found	
and grown in Propriet area.	
@ Also the presence of second owenpy which are	
thely to be expanence in Proprial area where	
treve is veretting in climatic condition,	

1:41) The following are the factors which lead to the	
presence of seasonal swamps in the nappoolana.	
(i) Relief or Topography to the one of the factor.	
that has influenced swampy to exist in such	
a way that the area are low land hence allow?	
ng water to accommulate boample swampy found	
in the wortern corner have no slope are plain.	
(ii) Nature of the rock; The area are not well distrate	
due to the presence of restant mork which	
sometime prevent water to prevente morale the	
ground and home create swangs.	
(ni) climatic condition which is Trapical climate has	
lead to seasonal variation y reingel and	
hance lead to formation of seasonal swampy	~~g~, w,
doing writer.	

Extract 1.1.1 represents a sample of a correct answer

The candidates who scored from 9 to 14.5 marks had several strengths and weaknesses in answering this question. Some were able to provide correct responses to some parts, while other parts were partially explained, and some of the responses were incorrect. For example, in part (a), some of the candidates in this group managed to identify the correct position of the starting and ending points of the railway line according to the given grid references, as such, they were able to measure the distance of the railway line. Others could not read the grid references, and hence they failed to identify the correct starting points as per the given grid references.

In part (b), some of the candidates did not manage to identify the correct number of the incomplete squares covered by seasonal swamps, which led them to get the wrong answer.

In part (c), a big majority of the candidates were able to outline two methods which have been used to represent the relief of the area. Some of them mixed up correct and incorrect methods, while others wrote the incorrect methods.

In part (d), some of the candidates managed to identify six human activities taking place in the area without giving any evidence from the map, while others identified human activities with incorrect evidences from the map.

In part (e), some of the candidates managed to suggest the type of climate but failed to provide evidence from the map.

In part (f), some of the candidates could explain at least two factors which led to the presence of seasonal swamps in the mapped area, some of them outlined the factors without any explanation, some failed completely to respond to the question, while others provided irrelevant factors. The variation of their marks was influenced by the strengths and weaknesses of their answers.

The candidates who scored from 0 to 8.5 marks misunderstood some parts of this question as they provided incorrect responses. For example, in part (a), some of the candidates in this group failed to identify the correct position of the starting and ending points of the railway line according to the given grid references. As such they were not able to measure correctly the distance of a railway line.

In part (b), many candidates in this group could not identify the correct number of incomplete squares covered by seasonal swamps. This failure led them to get incorrect answers, while others managed to get the correct number of squares, but failed to convert them into the actual ground scale.

In part (c), some of the candidates were able to outline two methods which have been used to represent the relief of the area, while some of them failed to outline the methods. Additionally, others provided irrelevant methods which were not used on the map.

In part (d), most of the candidates managed to identify the human activities taking place in the area but could not give evidence to support their answers. Others provided incorrect answers all together.

In part (e), some of the candidates were not able to suggest the type of climate but provided some evidence of the responses. Others failed completely to give correct answers.

In part (f), some candidates mentioned two factors which led to the presence of seasonal swamps in the mapped area, some managed to mention only one correct factor while, others provided irrelevant responses which led them to score low marks in this part. In general, inadequate responses led them to score low marks, and others not to score any mark. Extract 1.1.2 is part of a response from a candidate who performed poorly in this question.

1	(a) , 20 au	
	change con voto kon	
	Ifm = \$ 100000 cm	
	}	
	The a section - in a section	
	10000cm _ 0100026km	
	177 Listore or out was for they care	
	. The Surface of rout way from Hulu gross reference 837345 to Tabora green reference	
	800456 la klometer 12 0100026km/	
	800436 to promette to 81000 20 kings	
	h	
	b Seasonal swamps Half square 102	
	Juli Equare = to 111.	
	frea = Jull Equar of Half square	
	Chears all edons I liam adm	
	3,1	
	Are = (102 + 111) km 1=0 (+ km)	
	frea = (102 + 111) km2 5715 km2	
	7	
	Soale Ikm per le com?	
	2001 The 1 15	
	9 5-25 = 9/60 2	
	Jegvare = 7 1km 2	
	194 - 10 8	
	I Equan xx = 1575 square = 1575k	
-		
	- The area Covered by socrone swemps	
-	3 57'S'	
	u 373'	

Extract 1.1.2 is a sample of incorrect answers to both parts (a) and (b)

2.1.2 Question 2: Simple Survey and Map Making

The question had two parts; required the candidates in part (a) to analyze the major procedures involved in drawing a sketch map by using survey information. Part (b), required the candidate to describe four survey marking equipment, and for each to explain its uses.

This question was highly avoided since it was attempted by only 0.5% of all the candidates who registered for this subject. The general performance in this question was poor as it was only 27.3% of the candidates who attempted it scored 5.5 marks and above. The analysis of the data shows that 8.4% scored from 9 to 15 marks, 18.9% scored from 5.5 to 8.5 marks, and a big majority, that is 72.7% scored from 0 to 5 marks. Figure 2 illustrates the performance.

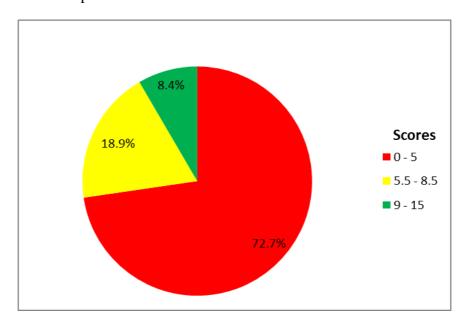


Figure 2: Trend of Candidates' Performance in Question 2

The 8.4% candidates who scored from 9 to 15 marks managed to give good introductions eg survey is the science of measuring and recording distances, angles and height on the earth's surface. In part (a), they analyzed some of the major procedures for drawing a sketch map by using survey information as:

Orientation to the area to be mapped and its content, choose an ideal large scale in relation to the size of the area to be mapped, rough out/put the framework on tracing paper and lay it on the mapped paper, draw the backbone line according to scale and fix other controlled lines along either line of traverse or compass traverse, draw the in check lines chosen between major points and check with measured data, enter or draw details in position using the symbols, take the pencil plan to the actual site and check for errors and if satisfied, ink in details, erase framework lines and subject the sketch map to the basic features of the map i.e. scale, title, north direction and margin.

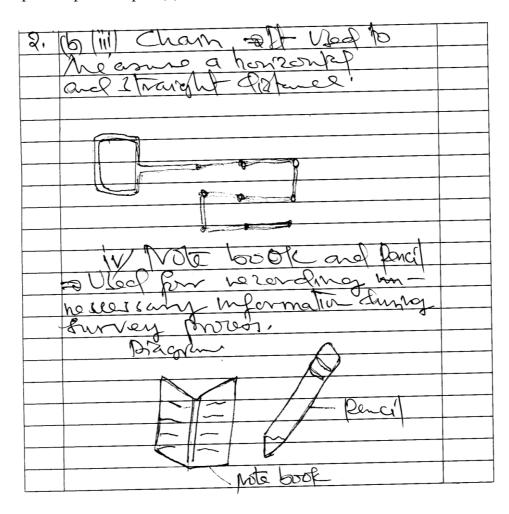
In part (b), they were able to describe four survey marking equipment and their uses as:

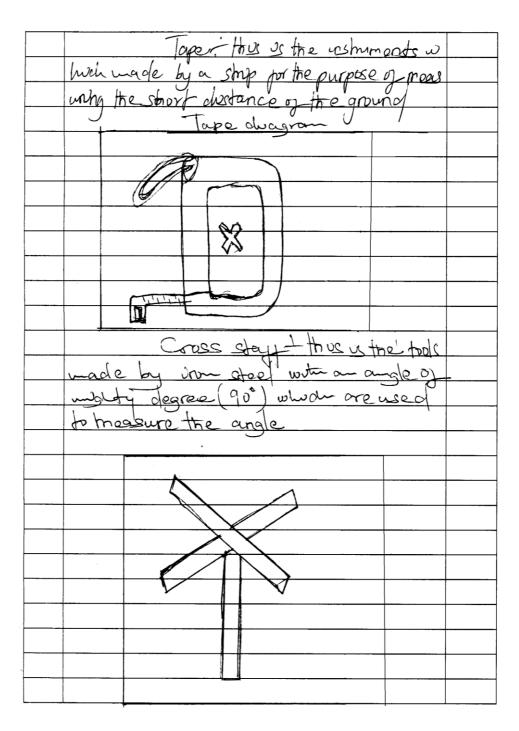
Arrows are steel wires of 4mm in diameter and with 40cm long, pointed at one end and the other end is bent into a loop or circle for a coloured rag to be tied to increase visibility. They are used for temporary marking points on the ground or area; pegs are usually wooden pegs 40mmsquare and 50cm long. They are used to mark positions permanently during survey. Ranging roads are either wooden or tabular steel poles of circular sections painted with red, white and black bands usually, 2m, 2.5m or 3m long and tipped with pointed a still shoe to enable them to be driven into the ground. They are used to mark temporary points which require to be seen and beacons are usually cement prisms with side about 15 or more and 30cm long or more. The final marking of survey work is done by using beacons. They are used to mark the boundary of the surveyed area on the earth.

Moreover, the candidates who scored 5.5 to 8.5 marks had variations in responses in each part of the question. For example, in part (a), some of the candidates were able to provide a correct introduction; they analyzed few major procedures for drawing a sketch map by using survey information. In part (b), they described three correct survey marking equipments with their uses, while others described the chain survey equipments such as tape measure, chain, and cross-staff without taking into consideration if they are used for survey marking activities or not.

The candidates who scored from 0 to 5 marks provided weak responses. For example, in part (a), some of the candidates in this group failed to provide an introduction, and analysis of the major procedures for drawing a

sketch map by using survey information. In part (b), they described all the equipment used in chain survey, among which three were correct. Some of them provided partial introductions, incorrect procedures, and mixed-up equipment used to measure distance and those which are used for marking positions. As an example, one candidate wrote in part (a), *scale of the map to be used, and introduction of North direction and frame of the map,* and in part (b), he/she wrote *chain* and *tape measure*. Other candidates provided incorrect answers to both parts (a) and (b). Extract 1.2.1 is a sample of such a poor response in part (b).





Extract 1.2.1 is a sample of incorrect responses

In extract 1.2.1 the candidate explained instruments used in chain survey instead of survey marking equipment in part b.

2.1.3 Question 3: Field Research Strategies

This question required the candidates to explain seven qualities of a good research.

The question was opted by only 16.4% of all the candidates, out of whom 34.1% scored 9 to 15 marks, 43.1% scored 5.5 to 8.5 marks, and 22.8% scored 0 to 5 marks. The general performance in this question was good since 77.2% of the candidates who attempted it, scored from 5.5 marks and above. Figure 3 illustrates the performance in this question.

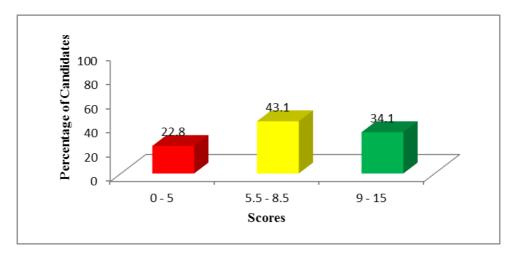


Figure 3 Trend of the Candidates Performance in Question 3

Most of the candidates who scored from 9 to 15 marks managed to provide good responses. This revealed that the candidates had knowledge in the qualities of good research. Some of the candidates provided good introductions such as research is scientific and systematic search for pertinent information on a specific topic. They explained the qualities of good research as goal oriented, systematic, logical reasoning and logical processes, empirical, inquisitive, selective, objective, cumulative, replicable and ethical while; others were able to provide relevant introduction and few qualities of a good research and their explanations. The variation of the marks depended on the strengths and accuracy of their responses. Extract 1.3.1 is a sample of good responses.

(S. Desparch repers to the scientific and	
gytematic collection of data and information	
concerning a specific topic or subject. Fur	
example, a research may be conducted on	
The course or increasing sthool dop-outs por	1
remale students. At research is wnowded by	
a rejearcher who conducts the collection of	
information on the topic by suppresent methods	
such a interview, group discussions observations	
or the use of guestionnaires. The pollowing are	
the qualities of a good research;	
A good research is empirical; This	
means a good research is capable to be	
proven by scientific methods, thus the results	
a the research become pectual rether than	
idealistic. It the research involves the determination	
a increasing mortality rates for instance this	
resporch has not to be expedie a being	
verified by the stetlished records of montality	
rate from previous years say adopt upit ability	
and show the increase rate. Thus a good	
research is empirical.	
A good research is Objective; This	
A good research is Objective; This means that any good research should be	
are from bias, this every member of the	
unit ander study must have equal thereas	
to be involved in the study, regardless of	
the sex religion, more physical situation or	
political party The research er must not conduct the research by desired selectivity, he should	
the research by desired selectivity, he should	
not be biased so as to yield good results	

A non A	rch is Inquisitive in
2 rature; For a research	b be auginod a
Die and wheelt it	has to be inquisitive
	s that the research
should seek to find	the someon b
	or example; To what
extent has the development	amont is transport
alder ash of mos	e helped in reducing
unemployment? Has	arch who a more than
been reduced as we	112 At what migration
and ad blueds tank	to and how and
godiny of the rewly	atticted and a
To Charles a N 2 The way	a research to be good
it has to be inquisiti	& February 10 see good
A and rime	ch is Logical; A
good research should a	les alla to nice
or logical responding. L	Long the second of
must observe logic as	10 maduch ITO
research. That is the c	
be logical or should r	peanor and and
the information collect	od chards located
logical so as to en	off another the
which are based on	land of work of
and the autoblair of	Thought of south
and the quembring	the astron make
that may be out of	ice soyled water
A and the	arch bluart Asra
po onal mientent la	Mu a and report
is the man that is on	al payated The many
ternote	Aly, a good research oriented. This more down
ain which has b	be reached to the
end of the study or	elborel for justices
100 00 000	2000 311 101 01610 CV

of the research. Thus, a good research should
2 de objective or non-biased.
2 be objective or non-biased. A good responsh is Systematic; This
means that a good research is conducted
by pollowing sustematic order or specific
steps and procedures and not being
worded modernly. There are specific steps
and procedures such as Identification of the
problem pirst, then literature review, then
formulation or hypothesis, then preparation
of the research doingn, then date whiledron
dota interpretation data analysis hypothesis
teating, drawing conclusion and builty
preparation of the research report. Thus, a
guremanc research qualifies for a good research
A good research is Rophicable; Another
audity of a and research is that it
should be able to be repeated all over
popula and wield the same result. For
instance, if a research shows that The
temporature or the amosphere depready
with the increase in height at the rate
Ant the increase in height at the rate of 0.6°C per every 100m, it means that thu
research can be repeated over again and
should give the same results. Thus, a
respond which is replicable is a good research
since it shows that the results of the
andy are the and can be repeated
to verify it came results will be found.
10 13 14 15 13 13 13 13 13 13 13 13 13 13 13 13 13

Extract 1.3.1 is a sample of a candidate's good response

In extract 1.3.1 the candidate managed to provide a correct introduction, explained seven qualities of a good research, and provided a relevant conclusion.

The candidates who scored from 5.5 to 8.5 marks were somehow able to meet the demands of the question. For instance, some managed to provide introduction and insufficient explanations on the qualities of a good research. Some of the candidates provided incomplete introductions and mentioned qualities of a good research without explanations, while others mixed up correct and incorrect answers. For example, one candidate wrote on the qualities of good research that; *should involve with primary and secondary data, theoretic and different data collection methods*.

The candidates who scored from 0 to 5.5 marks had insufficient knowledge of the qualities of good research as they provided weak responses. For example, some of the candidates gave incomplete introduction and failed to give qualities of good research. Some of them failed to provide an introduction, and mentioned points without explanations. Others provided a good introduction but failed to explain the qualities of good research and conclusion. For example, one candidate provided good introduction, but failed to write the qualities of good research; *evaluative*, *scientifically*, *universality*, *should reach the conclusion* and *solve the problem*.

Another candidate failed to give an introduction, but mixed up correct and incorrect points, and with no supportive examples. This is what he/she wrote on qualities of good research that: must define the topic to be defined, inclusive, involve all methods of research data collection, managed in case of cost, timely, problem selected must be researchable. Another candidate wrote; must have simple language, short and clear, adequate appearance of the research and define important terms used in the research. Another one wrote; very inaccurate, cheap to conduct, less time consuming, less expensive and it proves solution. Extract 1.3.2 represents a candidate who failed to meet the demand of the question.

Z will be easy to arquire rome data like in schools
a researcher will be having a spoural permission which will enable him or her to do a research
which will enable him or her to do a revearch
anywhere the data will be found.
A good resouth consult of research dayign: It
19 duranio an now it will be conducted where
so as to get accurate data which moded.
so as to get accurate data which moded.
A good govern consult with wall accounted
bol which well be used in the process of
revearch the tools or equipment are like camera
or anything which will be used to fullful research
or anything which will be used to fullfil research
data.'
A good reaserch is repeated revocal time: After
being fonducted and tirripped a research is
A good reaserch is repeated revolat hime: After being conducted and finished a research is repeated by another researcher and if it
parible alud to be repeated again by another researche so as to correct some mutakes which
researcher so as to correct some mutaker which
Were appear in marcoich.
A good research u done by researcher who
already paved on the other revearch whech
A good research u done by researcher who already passed on the other research whech done by other researches so as to get some
researcher (past researcher).
researcher spart researchers
A good resourch is done either researcher encourtain
to the area which researches will be conducted on
boking transport yestem, climate of an area y
u u anduciuo
Generally there are the qualities of a good reveals which well enable well collection of data which needed.
which will onable well collection of data which needed.

Extract 1.3.2 represents a sample of a poor response

2.1.4 Question 4: Photograph Interpretation

In this question, the candidates were instructed to study carefully the photograph given and answer the questions which followed.



The question had nine parts; (a), (b), (c), (d), (e), (f), (g), (h), and (i). The candidates were required in part (a), to mention the type of photograph; in part (b), to identify the economic activities which are carried out in the area; in part (c), to give factors which might have influenced the economic activities in the area; in part (d), to identify the environmental problems which the area is likely to face; in part (e), to mention the time at which the photograph was taken and give reasons; in part (f), to comment on the scale of production; in part (g), to name the crop shown on the photograph; in part (h), to suggest the stage of production of the crop shown in the photograph, and in part (i), to describe the relief features seen in the photograph. The total marks allocated for this question were 15.

This question was among the highly opted for, since 83% of all the candidates attempted it. Its general performance was good as 94.5% of the candidates scored 5.5 marks and above. Further data analysis shows that

46.9% of the candidates scored from 9 to 15 marks, 47.6% scored from 5.5 to 8.5 marks, and only 5.5% scored from 0 to 5 marks. Figure 4 illustrates the performance in this question.

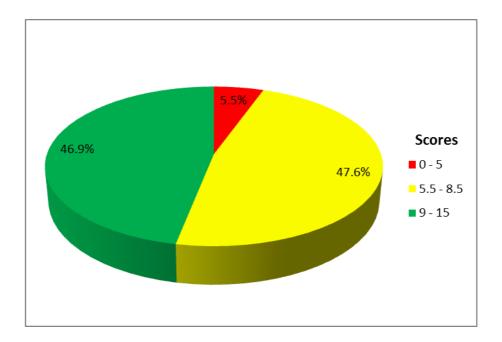


Figure 4: Trend of the Candidates' Performance in Question 4

The candidates who scored from 9 to 15 marks showed good knowledge and skills of the concept of photograph interpretation especially on the types, components, and features of photographs. For instance, in part (a), the candidates were able to mention the type of photograph as *ground photograph*.

In part (b), some of the candidates were able to identify two economic activities as; agriculture due to the presence of a sisal plantation and trade due to the nature of the crop because sisal is a cash crop, and not a food crop.

In part (c), they were able to provide the factors which might have influenced the economic activities in the area as; presence of arable land, means of transport, good climatic condition, relief, scale of production and the crop itself is adaptive to wide range of soil type.

In part (d), most of the candidates managed to identify environmental problems which the area is likely to face which are; soil erosion due to

establishment of large scale farming and the use of large machines, loss of soil fertility due to cultivation of single crop (monoculture), deforestation and loss of biodiversity as the scale requires vast land clearance.

In part (e), most of them mentioned the time at which the photograph was taken as *noon because the shadow of the objects is at the center*.

In part (f), they commented on the scale of the production as *large scale* due to the presence of a sisal plantation covering the middle part to the back. In part (g), they named the crop shown on the photograph as sisal.

In part (h), they suggested the stage of production of the crop in the photograph as *harvesting stage*.

Lastly, in part (i), they described the relief features seen in the photograph as plain (flat) land on the foreground and middle of the photograph and hills/mountains on the left background. Their scores differed due to variation in accuracy of their responses. Extract 1.4.1 is a sample of such good responses.

4	Carefully utudy the tollowing photograph and arriver the guestion that pollows.	
	the question that pllow.	
	Quanhopy	
	(as What is the type of photograph	
	(as What is the type of photograph - GROUND LEVEL PHOTOGRAPH	
	(b) Economic activities that are arread on.	
	These enclydes	
	- Agnoutture activities due to the presence of large plantation of vival crop	
	of large plantation of visal crop	
	- Trade and commerce activities. Also this is	
	due to the prosence of large plantahor. Which is usually for Jale purpose. Also a band of itsal is jeen on the fore	
	which is usually for rate purpose. Also	
	a band of visal is jell on the fore	
	ground ready for going to the market. - Communication and transportation activities due to the presence of reads	
	- Communication and transportation activities due	
	to the presence of made	
	· '	
	(s) Four factors which have influenced the	
	economic activities on the area.	
	These indudes;	
	- Prosence of intrastructures unch as	
	roads facilitate the trade achimbes	
	- Prosence of good climatic conditions	

(9)	The name of the crop is
10.	The name of the crop is - SISAL
(h)	Juggest the stage of the production
	Juggest the stage of the production The production of Grop is a stat last. Itage of harvesting it taking to the industry for the production of goods
	itage of harvesting it taking to
	the industry for the production of goods
-	
(l)	Describe the relief teatures seen in photo
	graph: Those includes; Maintain a which has start allen
	These includes;
	- Mountains which has steep slope
	- Highlando which are raprocented
	by hills
	- Lowland which have gently
	slope. It is the place where plantation
	These includes; - Mountains which has steep slope - Highlands which are represented by hills - Lowland which have gently slope. It is the place where plantation are located.
	~ Plateus
1	

Which taxours the growth of the crop	
uisa .	
- Edaphic factor, which is due to the presence	
of fartle up which toward and Jupiport	
the growth of sizal. - Relief tactor, the area is an gently stope. - Presente of Parge Plantation of itsal which tacilitates trade achieves	
tacilitates trade achirties	
cels Environment problems which are likely to	
Mair.	
These includes; - Goil arosion, this is due to	
- Coil grosion, this is due to	
us monoculture and land is ever cultivated	
to monoculture and land to ever'cultivated	
- Low et Joil forhlity, this is	
due to monoculture form of agriculture performed in the area.	
Supplied of the wed.	
(0) Time to which photograph was taken.	-
- The photograph was taken at noon and this is due to the shadow of object are casted down the object.	
this is due to the shadow of object are	
lasted down the object.	
(1) Comment on the reals of production.	
- The production is a large scale production	
Jince it involves the plantation of just	
Grops and the production is for the vale. Also	
It is a large scale since it practised on	
large area requires high amount of apital	
outlay and activanced likells and machines	

Extract 1. 4.1 is a sample of a good response

The candidates who scored from 5.5 to 8.5 marks scored well in some parts of the question. For example, in part (a), some of the candidates were able

to mention the type of photographs while others failed to do so. In part (b), some were able to identify two economic activities and others mentioned only one. In part (c), they managed to provide the factors which might have influenced the economic activities and others failed to give correct answers.

In part (f), most of the candidates misconceived the question by giving incorrect responses as they only explained the scale of the photograph instead of scale of production. For example, one candidate explained the scale of production as variable scale because in the fore zone there is large scale but when can gone to middle and back zone are small scale so the object are differ from fore to back. Few of them managed to answer it correctly. In part (g), most of the candidates were able to give the correct answer as sisal. In part (h), some of the candidates provided correct answers and others incorrect answers. In part (i), some managed to write only one relief features while others did not. Such inadequate responses affected the candidates' performance therefore they were unable to score high marks.

The candidates who scored from 0 to 5 marks managed to answer correctly on some parts of the question, but failed to answer other parts. For instance, in part (a), some candidates mentioned the correct type of photograph, while very few candidates mentioned the wrong type of photograph.

In part (b), they identified at least one economic activities while, others provided irrelevant responses. In part (c), they managed to give one factor which might have influenced the economic activities, while others failed completely to attempt the question.

In part (d), they identified partially the environmental problems which might face, while others provided the responses which were incorrect. For example, one candidate wrote *rapid population growth and environmental pollution*, while another one wrote: *overgrazing and occurrence of drought*, another wrote *it may lead into occurrence of volcanic eruption* while, others associated it with global warming while another candidate provided environmental problems as *poor transport system like roads* and *presence of highlands like mountains and hills which hinder the process of plantation agriculture*.

In part (e), they mentioned the time at which the photograph was taken but failed to give the reason for their answers, while others failed to identify the right time. This led them to give the wrong reason. For example, one candidate mentioned that the photograph was taken in the morning due to the presence of horizon and clouds, another mentioned morning due to the presence of fog in the photograph, another candidate mentioned morning because there is no any shadow and the sun was not yet risen, another one mentioned mid night/evening this is because the shadow of the object is under the object or the shadow seen is below the sisal, while another candidate wrote dry season because there is an existence of sisal crop harvested from the farm. This shows that they lacked knowledge and skills on photograph interpretation.

In part (f), they were not able to comment on the scale of the crop production. For example, one candidate commented the scale of production as small scale because it covers a small area while another one provided irrelevant answers such as; temperature, precipitation and types of rock.

In part (g), most of them managed to name the crop shown in the photograph correctly, but there were those who provided wrong answers such as *cloves* and *cotton*.

In part (h), most of them were not able to attempt the question correctly due to misinterpretation of the stage of production as shown in the photograph, whereby they provided stages of farm preparation instead of harvesting. For example, one candidate wrote: prepare the farm as soon as possible, prepare the small hole with appropriate 150cm to 200cm and take the cotton spices from the tube and grow in the hole, another wrote the cultivation of the farm, digging holes at interval distance from right, left and forward and back and planting of sisal. Another candidate commented on the stage of production as the mature stage because they produce flower which produces the seed which is used to cultivate in another area, yet another candidate commented on the stage of production as low stage of production because there is poor production and management of sisal production. Another candidate wrote that it is the processing stage whereby it is not yet finished, another on wrote the stage of production as primary stage of production, while another one commented on the stage of production as the first stage.

Lastly, in part (i), some candidates described partially the relief features seen in the photograph; while others could not understand the concept of the relief features thus they provided wrong responses. For instance, one candidate wrote *plateau* and *basin*, while another candidate wrote *forest*,

plateau, spur and sky instead of plain and hills or mountains. Hence, candidates' marks varied due to their responses.

SECTION B: PHYSICAL GEOGRAPHY

2.1.5 Question 5: Study of Soils

This question had two parts (a) and (b). In part (a), the candidates were required to examine six factors which cause the soil to lose its fertility. In part (b), candidates were required to explain how soil texture and soil p^H influence farming. The total marks allocated for this question were 20.

The question was attempted for by 54% of all the candidates, of whom 31.5% scored from 12 to 20 marks, 51.9% scored from 7 to 11.5 marks and 16.6% scored from 0 to 6.5 marks. The general performance in this question was good since 83.4% of the candidates scored 7 marks and above. Figure 5 illustrates the performance in this question.

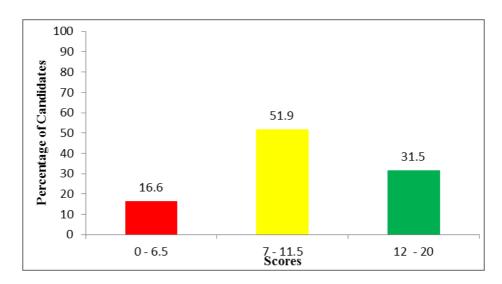


Figure 5: Trend of candidates' Performance in Question 5

The candidates who scored from 12 to 20 marks showed a clear understanding of the concept of soil, especially soil formation, classification and fertility. In part (a), these candidates provided the correct definition of soil fertility and loss of soil fertility. For example, they said that soil fertility is the capacity or ability of soil to sustain plant growth and loss of soil fertility is an act of the soil to lose nutrients which support plant growth. They provided the factors which make soil to lose its fertility,

including soil erosion, leaching, mono cropping, use of artificial fertilizers, irrigation in arid and semi-arid area and destruction of soil structure.

In part (b), the candidates were able to explain how soil texture and soil p^H influence farming. This is what they said: soil p^H influences the decomposition of the organic matters, soil p^H leads to more soluble minerals, thus leads to high leaching, sand soil being large textured, well drained and aerated allows easy cultivation, sand soil being large textured permit crop root to penetrate, fine textured soils tend to contain moisture thus support the plant growth, fine textured soils tend to have high content of nutrients which lead to less leaching and soil p^H determines the selection of type of crops to be grown. Variations in marks were influenced by the accuracy of their responses. Extract 1.5.1 is a sample of a candidate's responses which met the demands of the question.

Joil fortility is the ability of coil to crupport
a) plant growth through the presence of various supportive
minerale like Nitrogen, Phosphorous and Pottourum
() The loss of cool fortality is the decline in the
Coll fertility is the ability of coll to crupport a) plant growth through the presence of various supportive minerals like Nitrogen, Phosphosous and Pottourum. The loss of coll fertility is the decline in the ability of the coll to crupport plant growth fertility in determined by factors auch as thesence of coll colloids, Coll PH, Coll worstore and notritional minerals. There are various factors that can make coll lose the pertility and they include:
na determined by factors and as Presence of and
colloids. Soil PA. Chil moisture and notintional
minorale. There are various rathers that can
make cal love the cortists and they enduce:
leading Thus is the monomost on the
couple uponed was the too coul to the copyright
Leaching. This is the movement of the cobool. Sung leaching the boses are all washed down and
the goods are last at the translation to distribution
a the cool D. Many his and a to a close
the across are left at the top leading to distabilisation in the world PH. Very high across trindens plant amount as it recoults into parture into the decomposition
arowin as it regults into painte that the decomposition
of the organic matter to form humos within the
(Joil.
Monoculture. This is the parming practice
of growing only one type of grop in a very long duration of time. Monoculture regultor into
duration of time. Monoculture revolte into
the exhaustron of the mineral used by that
particular grap within the Croil making the croil
For to promote plant growth after a given
period of time. Many places practice Monoculture of
maise cultivation in Tanzania.
Over cultivation. The 11the improper farming
pradice as exterceively collingting come is a given
area continously giving no time for the Goll
minerale to regurinate and accumulate. Over a Hughon
Involves continous caroning of Grobs Hithory dining
the cool any rest time from creason to creason.
This pence leads to decline in the contavality
The near to estudie to the Anti-Original the Anti-Original

F due to exhaustron of the Coll minerals.
- Exposione use of countholic fortilizars. Too much
are of industrially brogned templisous each as
DPT and NPK largely affect the guality of the coil
and promote con infortility cince there fertilizers crotain chemicals which become policinous when used
Crotain chemicale which become polyprous when used
uncontrollably hence resulting into death of voil
micropragnisms and biota treerepore hindering the
desomposition of organic matter.
Buch burning. The burning of bushes Inorder to dear land for agriculture can also
inorder to olear land for samulture can also
1 December the love of any telling, this is peaced
during the burning of bushes the piros may kill the
Important micro organiame Guet as warms and
I had to loss as important autimorphy within the
and hence making the apil insortile. Better methods
of land clearing whould be adopted. To il pollution. The introduction of
Toll pollution. The introduction of
new and harmful and another within the abil can also
make the woll lose its fertility. These pollutants
can be maste from industries auch ac radioactive
marter and upomicals or demostic maste such as
alazz and paper plastic bags, such wastes hinders
propor development of and other important
processes and as organic conting leading to the lass
of coil vertility.
To Conclusion the loss of coil fortility
ean be controlled by measures auch as the
ne of beaber tarming we, programmed con
activition and proper disposal of master, the use of
organic feetile pre out as conduing and dry
methods of farming who are mulching

(1) Call texture anothe correspon or meaning or the	
b). coul particles which can be noted through feeling the	
and with the fingers. Coil PH is the apprece of	
alkalinity of the coil. Coil fix and Coil lexture	
influence farming in the following ways:	
Affect the water retention capacity. This is the	
mbility of the cool to told water. Water ice eacily	
retained in coole with time texture couch as loom	
and whose particles me not to amoll furthermore water	
10 available in costs of novital PH home influencing	
forming.	
Deformine the types of crops grown. The types of	
ond coil texture many plants prefer neutral PH	
and soil texture many plants prefer neutral PH	_
Without 100 much occivity nor barcity also clay calls	
tovour (pagarcone maps while crand croiles do not due to their texture. Therefore influencing farming.	
their texture. horefore inturning farming.	
Determine desemposition of organic matter. The decomposition	
of organic matter is growth influence of by Out Pr and	
Whit Fexture arms vary andic cooks hinder the decomposition	
of organic matter crime the microgrammen because	
inactive in very coarse coils morobial activities are himologeal	
Therepare influencing forming rime forming only takes place on	
moral with adequate decomposition of organic mother.	
In honce the call temperature. The degree of	
hotness or coldness of the Goll is affected by both	
Soil Py and voil texture, fine volls tend to attract heat	
occily and ovil Py may affect the temperature. Temperature	_
and Heathpring of the rocks.	
La Cooling - and area call by I to discourse	
mal be abordanced and a soul Colour	
Coil Profile, Coil Catena, Coil Porouty and coil Atructure	
Tipfile, Mail casestia, Most totally and and	

Extract 1.5.1 illustrates a sample of correct responses

The candidates who scored from 7 to 11.5 marks were able to provide an introduction and few points on the factors which cause the soil to lose its fertility. For example, some of the candidates managed to provide the

correct introduction of soil fertility and loss of soil fertility, but explained incompletely the factors which cause the soil to lose its fertility. They also gave few explanations on how soil texture and soil p^H influence farming. Some of the candidates provided few factors, but failed to explain how soil texture and soil p^H influence farming. Others provided an introduction but mentioned points without explanation. Such responses led their marks to differ. For example, one candidate provided correct answers in part (a), but in part (b), he/she explained types of soils such as *clay*, *loam* and *sand soils*. Likewise, another candidate wrote that the *absence of soil permeability*, *soil depth*, *soil p^H* and *soil water* in part (b).

Furthermore, the candidates who scored from 0 to 6.5 marks were incompetent in attempting this question. Some of the candidates in this category provided an incomplete introduction, and they mixed up correct and incorrect answers. For example, one candidate wrote; *bare of the land, spray of strong chemicals* and *volcanism* in part (a), while, in part (b), he/she wrote *rotation of crops* and *overgrazing*. Some of them outlined the factors and did not describe how soil texture and p^H influence farming.

Some of the candidates in this group lacked knowledge of the concept of soil fertility, soil texture, and soil p^H as they supplied incorrect answers in both parts (a) and (b). For example, one candidate in part (a) misconceived the question by explaining the causes of soil erosion to be *fire*, *drought* and *deforestation*, instead of the actual factors which cause soil to lose its fertility. Another candidate wrote incorrect answers such as; *unfavorable climatic condition*, *deforestation*, *human activities*, *global warming* and *vulcanicity* as factors which cause soil to lose its fertility. This situation made them not to score any mark. Extract 1.5.2 shows a sample of poor responses.

	1 - 1 - 1 - 1 - 1 - 1 - 1 - M - 1	
5,	loss of soil tertilis reten to Me	
@	un ability of soil to supply plant	
1	nutrients for the Stouth, Known loss.	
	at sail takely cause the plant bount	
	and die due to lack of nument which	
	will help it to survive well. So the	
	following are tacks which make me	
	sail to lote its technity.	
5@		
	cultivation of only one crop each years	
	so his cause The sail to loose the techny	
	There fore peaks should applying mixed	
	coops such as beginning plants which	
	tend to mercare terlity rather Many.	
	monoculture which cause the loss of	
	Sad testility.	
	Soil Strubne; This means me	
	acranyment of primary sail particle who	
	Secondary soil pulick or gods. so The	
	Smulmy of Sail has plate Structure	
	tend to loose the tertily of the 10-7	
	hence his Shuehure course the soil-	
	to lopse the felility because all num	
	ent are washed away.	
	l	
	Soil texture; Mis means the	
	degree at continess or finess so the texture such as sand soil do not	
	the land as some source of the	
	hold by plant nutrical nutrical which	
	normally fend to losse its tethily to	
	The grant could grow well in the	
	sand soil because it doose tertily	
	very compared to loam soil	

<·	soil poorsit. Mis meens	
	The pores present on the soil so the	
	soil which have large pores does not	
	hold soil terhiby hence losse very eary	
<@	so his kind at porasing course re	
30	sail to losse it's tethin compared	
	soil to losse it's tething compared to small goodily which help to maintain	-
	note: detality of the soil.	
	Soil calour. Also he colour	
	poros derklitz of the soil. Soil colour: Also the colour of the soil may influence the Loose	
	of soil because example while colour	
	cause reflection of hight hence all muti	
	numients are evaporated in terms of	
	vapour money cours the soil to loose	
	ut fertily while he black colour	
	absolute hight and help in decomposition	
	of oranz matter.	İ
ડ્	Sail PH; Sail PH Means Me	
	degree of aidly or alkalimy of the	
	degree of aidity or alkalimy of the soil. So this may cause losse of soil	
	degree of aridity or alkalimity of the soil. so this may cause loose of soil terminy because It he soil it too aridis	
	degree of aidity or alkaling of the soil. So this may cause looke of soil tertily because it he soil it too aidis that to remove all nubrents and also	
	degree of aidity or alkaling of the soil. So this may cause losse of soil tertility because It he soil it too aidis tudy to remove all nutrients and also not not support the plant until neutral	
	degree of aidity or alkaling of the soil. So this may cause loope of soil tertily because It he soil it too aidis that to remove all nutrients and also will not support the plant with neutral soil by adding bank material so trequent	
	degree of aidity or alkaling of the soil soil. So this may cause looks of soil tertily because It he soil it too aidis that to remove all nutrients and also will not support the plant with neutral soil by adding basis material so trequent neutralization cause of soil to looks of	
	degree of aidly or alkaling of the soil. So this may cause looks of soil teathly because it he soil it too aidis that to remove all nutrients and also will not support the plant until neutral soil by adding bank material so trequent neutralisation cause of soil te loose of look of soil teathly.	
	degree of aidity or alkaling of the soil. So this may cause looks of soil tertily because it he soil it too aidis that to remove all nutrients and also will not support the plant mutil neutral soil by adding bank material so trequent neutralization cause of soil tertily.	
	degree of aidity or alkaling of the soil. So this may cause looks of soil tertily because it he soil it too aidis that to remove all nutrients and also will not support the plant mutil neutral soil by adding bank material so trequent neutralization cause of soil tertily.	
	degree of aidity or alkaling of the soil. So this may cause looks of soil tertily because it he soil it too aidis that to remove all nutrients and also will not support the plant mutil neutral soil by adding bank material so trequent neutralization cause of soil tertily.	
	degree of aidly or alkaling of the soil. So this may cause looks of soil teathly because it he soil it too aidis that to remove all nutrients and also will not support the plant until neutral soil by adding bank material so trequent neutralisation cause of soil te loose of look of soil teathly.	
	degree of aidity or alkaling of the soil. So this may cause looks of soil tertily because it he soil it too aidis that to remove all nutrients and also will not support the plant mutil neutral soil by adding bank material so trequent neutralization cause of soil tertily.	

Extract 1.5.2 shows a sample of poor responses

In extract 1.5.2, the candidate explained in part (a) of the question properties of soil as soil structure, soil texture, soil porosity, soil colour and soil p^H instead of the factors which cause the soil to lose its fertility.

2.1.6 Question 6: Water Masses

The question required the candidates to describe the hydrological cycle, and show its link to underground water. The question had a total of 20 marks.

This question was highly omitted as it was opted for by only 16.9% of all the candidates who were registered for this subject. Never the less, the general performance in this question was good as 85% of the candidates who attempted it scored 7 marks and above. Further analysis shows that, 49.4% scored from 12 to 20 marks, 35.6% scored from 7 to 11.5 marks and 15% scored from 0 to 6.5 marks. Figure 6 illustrates the performance in this question.

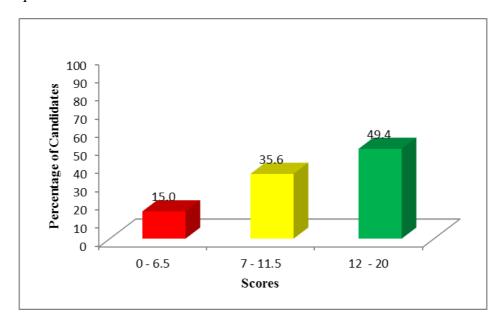
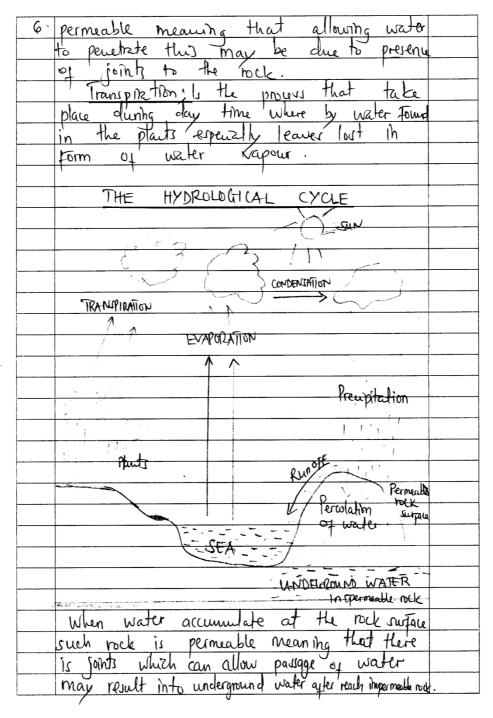


Figure 6: Trend of the Candidates' Performance in Question 6

The candidates who scored from 12 to 20 marks had good knowledge of the hydrological cycle and its link to the underground water. Some of the candidates were able to give relevant introduction of the hydrological cycle, and described its link to the underground water as follows; hydrological cycle is a conceptual model that describes the storage and movement of water between the biosphere, atmosphere, lithosphere and the hydrosphere. They explained the processes of the hydrological cycle that are evaporation, evapotranspiration, condensation, precipitation, surface run off, infiltration and percolation and ended up with relevant conclusions. Some of them managed to provide partial introductions, described correctly the processes of the hydrological cycle with incomplete conclusion while,

others managed to give correct introduction and few processes of the hydrological cycle with unsatisfactory explanations. The variations in their scores were determined by the strengths and correctness of their explanations. Extract 1.6.1 illustrates a sample of such a good response.

6. Hydrological cycle is the cycle modal that show storage and movement of water From biosphere, lithosphere, atmosphere and	
grow storage and movement of water	
From burguere lethorologe atmosphere and	
to the hydrosphere.	
The cycle of water in hydrograph cycle	
have several stages which involved	
have several stages which involved or taking place so as to complete the cycle stich processes are:	
Cycle Arch processes are:	
Evaporation, means may water from the	
Water bodier and as moone and rear	
change to vapour and ascape from the	
change to vapour and acape from the water bodies to the atmosphere in Join	
of water vapour.	
Condensation; Is the process in hydrological	
cycle where by water vapour in atmosphere change to liquid state due to rise of	
Change to liquid state due to rise of	
tenuerature occurre into the atmosphere	
that may be affected by amount of	
injoint fall the armosphere.	
Ke contation ' due to condense time le ac	
already occured the liquid Form of water pall to the surface in form of perintate due to increase in density cause such	
gall to the surface in form of pewpitate	
due to increase in density cause such	
biquiel water to fall as rainfall or precipitate.	
proupitate.	
Run off; means that the water from	
the precipitation reach the surface cause moving from high land areas to the low land areas due to gradient.	
moving from highland areas to the	
low land areas due to gradient.	
Accumulation (percolation); due to accumu-	
lation of water to the land surface water tend	
to percolate when the underlying rock	



Extract 1.6.1 is a sample of good responses

However, the candidates who scored from 7 to 11.5 marks showed a moderate understanding of the concept of the hydrological cycle and its process. Some of the candidates were able to provide an introduction of hydrological cycle but provided incomplete descriptions of the processes of

the hydrological cycle. Some were able to provide incomplete introduction, few correct processes of the hydrological cycle and conclusions while others did not manage to give an introduction but were able to describe the processes and conclusion. Their marks varied because of variation in the quality of their responses.

Furthermore, some of the candidates who scored from 0 to 6.5 marks were able to provide an introduction but did not manage to describe any process of hydrological cycle. As an example, one managed to provide a good introduction on the hydrological cycle, but in the main body instead of describing the processes of the hydrological cycle, he/she explained the features resulting from surface run off such as; *rills, gullies, earth pillars* and *badlands*. Some of them were not able to give an introduction but described correctly few processes. Others managed to give incomplete introduction and few processes of the hydrological cycle, but instead of linking it with underground water, associated run-off water with underground features in Karst regions. Variation in marks depended on the strengths and weaknesses of their responses. Extract 1.6.2 illustrates such poor responses.

6 Hydrological cycle is the continue audiation of
useder from the atmosphere to the ground. This it takes
place where water from the water bodies collect water
from rapidal. The water from water bodies low water
through the process called exhiparation and transported
to the atmosphere inform of vapour brother water were
from plants which transported also as a uppear when re-
moved from trees by the process called Transfirmtion.
When water vapour from trees and water bodges they
pransported and condensed in the ortmosphere where they
reach the pragram which has theat and met and drops
down and seem like rainfall which also water go to
the revery lakes, and also underground which continous
cualiding. When water enter into the gound are

6,	colled underground water which percolate into the go
	ound by wind pore space or fauts which crosted in the
	rock. There are dupes of under around water which are?
	Connate water the is the type of underground-
	worder which inter into the rock through the pore space
	and fauthing which may be traped out through springs or
	wells which drilled.
	Oceanic water this are the type of underground
	usater which parcolated from the ocean into the ground
	while dupo at water occurred where the permeable rook by
	er is entered to the orean which made it permolation to
	the underground.
	Moteoric worder) there is the type of underground
	moder which derived from precipitation where the-
	waster percolate from the rainful into the ground. Thus
	that is the type of underground worder
	Magnodic pater that is the type of undergree
	send water which originated during the valance empti
	on this water did not came out since they percolate or
	and all over that rock. They there is the one of the type
	of underground weather.
	There are user of underground water or value of
	underground harter to human being;
	Provide vocator for demostre and inclusional une who
	ere under from underground more und in the industrial
	to coal machines and also in homes authorities such as
	Rockma and to on.
	Provide Dource of water bodies such as River which
	the moter came out by the springs which form the ba
	so source of water which is permanent. Thus they
	also is the one of the value of underground
	hooter to man.

Extract 1.6.2 shows a sample of incorrect answer in question 6

A candidate in extract 1.6.2 explained the types and importance of underground water instead of the processes of hydrological cycle and its link to the underground water.

2.1.7 Question 7: Position, Behaviour and Structure of the Earth

The question demanded the candidates to describe three zones of the interior of the earth with the aid of a diagram. The total marks allocated for this question were 20.

This question was attempted for by 56.2% of all the candidates, of whom, 54.6% scored from 12 to 20 marks, 40.3% scored from 7 to 11.5 marks, and only 5.1% scored from 0 to 6.5. The general performance in this question was good since 94.9% of the candidates who attempted it scored 7 marks and above. Figure 7 illustrates the performance in this question.

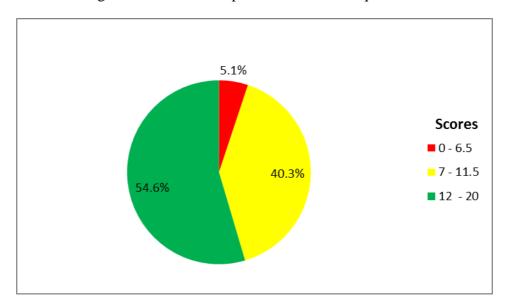


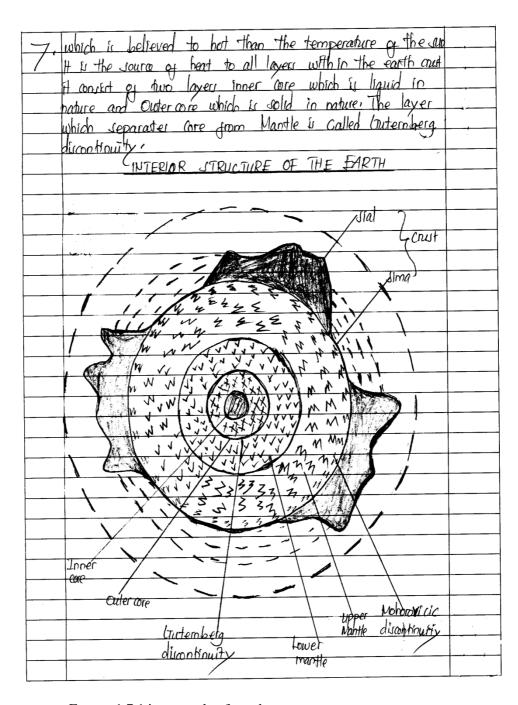
Figure 7: Trend of Candidates' Performance in Question 7.

The candidates who scored from 12 to 20 marks had good knowledge of the concept of internal structure of the earth. Most of the candidates in this category were able to provide a relevant introduction of the structure of the earth and described three zones of the interior of the earth. examples of such answers are such as the interior of the Earth is consisted by three concentric zones which are the crust, mantle and core. The crust (lithosphere) is the upper most layer which is solid, thin and brittle, outer shell is made of rocks. The mantle (mesosphere) is the central part of the earth lying between the core and the crust and the core (barysphere) is the inner most zone of the interior of the earth composed of iron and nickel. They also drew a relevant diagram of the interior of the earth and ended up with a relevant conclusion. Some candidates managed to provide an introduction of the interior of the earth, explained partially the zones of the

interior of the earth, drew correctly the diagram of the structure of the interior of the earth, and gave relevant conclusions.

However, some of them provided incomplete introductions, but correct descriptions of the interior of the earth, and drew the diagram of the structure of the interior of the earth with correct and incorrect labels. Additionally, others were not able to provide a correct introduction but managed to describe the zones of the interior of the earth and a conclusion. Despite scoring high marks, their marks varied due to the strengths and weakness of their responses. Extract 1.7.1 demonstrate a sample of a candidate's good response.

7. The interior of the earth Consist of three
/ zones which differ in content and nature of the materials
prevent in each some The interior of the earth contain
three main layers as follows!
Cruit is the upper most and the thinest layer
or the earth. It is sound about 8km to 50 km helpin
the surpace court convert of two layers which are stal and
sima.
Cal is the wars post and a the sout which rough
Sial is the upper most part of the crust which main by consist of stillica and alluminatum but it does not constation from even it is less denser with the density of 2.7 and
y control of Jillia and allumiatum bia it are not contain
in iron even it is less deriver with the deturn of 201 and
it form the continentate It is solid in nature.
Sima is the lower part of the court which cont ain sillica and Magnesium and some contents of Iron.
ain sillica and Magneslium and some contents of Iron.
It is Jemi-liquid in nature and More denser Than Jima
isal with the densety of about 300. Jima forms the Ocea
pre floor;
Martle is the second zone of the interior of the earth which is found about 2900 km deeper into the earth
earth which is tound about 2900 km deeper into the earth
and it is the thickers layer. It have high temperature whi
ch cause the formation of movement of the earth's court
Mantle consert of two layers. Upper mantle which is
liquid in nature and lower mantle which is solid in natur
re · Also there is a layer in mantle which is called Arthe
narphere which produce charged as due to its mother state whi
ch is the gear toward plate movements. The layer which
separates Mantie from Court is allesto Mohorovicic disconti
nusty.
Core is the inner most lawer or the interior or
the earth which is found about 4900 km deeper in the
earth . It has very high temperature of about 6200°C
Training to the service of depolits of dep



Extract 1.7.1 is a sample of good responses.

Furthermore, the candidates who scored from 7 to 11.5 marks had moderate knowledge on the structure of the interior of the earth. For example, some of the candidates managed to give correct introduction of the interior of the earth; described incompletely the zones of the interior of the earth, drew correctly the diagram of the interior of the earth, and wrote a relevant conclusion. Some managed to give an introduction, described insufficiently

the interior part of the earth, but were not able to draw a diagram of the interior of the earth.

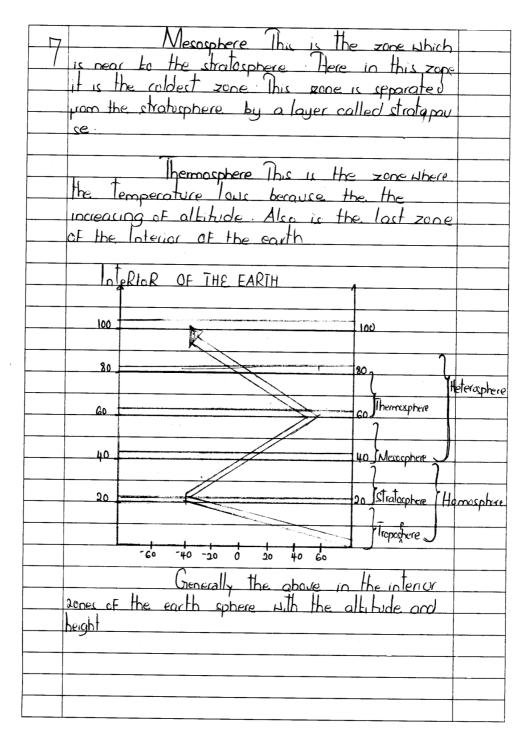
Moreover, the candidates who scored from 0 to 6.5 marks had little understanding of the structure of the earth, especially the interior of the earth. For example, some of the candidates could provide a correct introduction of the interior of the earth, but were not able to describe the interior part of the earth and they provided irrelevant conclusion. Some managed to give an introduction only but failed to describe the interior part of the earth and to draw a diagram of the interior of the earth. Others were not able to provide an introduction of the interior part of the earth but managed to describe partially the interior parts of the earth, without conclusion. The variation in the marks depended on the strengths of their responses.

Likewise, some of the candidates in this category failed to understand the demand of the question; their responses suggested that the subject matter was not clear to them. They provided an irrelevant introduction of the interior of the earth, and failed to describe the interior parts of the earth. Additionally they did not draw the diagram of the interior of the earth and provided irrelevant conclusion. For example, one candidate explained about interior of the earth as the earth is divided into horizontal and vertical. He/she explained that in horizontal there is tensional and compressional forces where by tensional forces is where layers meet and compressional forces is where layers do not meet. Also he/she explained that vertical is another zone of the interior of the earth where by in vertical there is sinking where by materials from the surface use to sink downward in the earth's surface.

Moreover, he/she explained that in vertical there is cooling of materials which have sink to the inner part of the surface. Another candidate explained that the earth is geoid in shape proven by aerial photograph, sunrise, sunset, lunar eclipse and circumnavigation of the earth. So this shows that the earth is not actually spherical in shape. Furthermore, he/she explained that the earth interior's has the following zones; Troposphere which is the zone found near to the earth, temperature increase as the altitude increase and known as Lapse rate, Stratosphere is the zone found near to the troposphere. The layer separating two zones is the Tropopause. This layer temperature is low and the altitude is high, Mesosphere is the zone which is near to the Stratosphere. The zone is colder, separated from

Stratosphere by layer called Stratopause. Thermosphere is the zone where the temperature is low because of increasing of altitude. Extract 1.7.2 illustrates such poor responses.

The Forth is good in shape	
this is proven by aerial photograph, sunrice and	
ounce, lunar eclipse and pircumnavigation of the	
earth so this shows that the earth is not atual-	
lly sher et spherical in shape. Also the	
earth interior has zones the Following are	
the zone of the Interior of the earth	
Iroposphere. This is the zone	
which is nearest to the Earth Here the	
temperature increases with the increasing	
altitude it also known as the Lapse rate	
so this is a tropusphase	
SO THE STATE OF TH	
Stratosphere This zone is near	
to the troposphere The layer which reparate	
land the temperature is law and the	
this two some is the tropopouse so this layer the temperature is low and the	



Extract 1.7.2 is a sample of a poor response

In extract 1.7.2 a candidate explained zones of the vertical structure of the atmosphere and drew its diagram instead of explaining zones of the interior of the earth and supporting the explanations with its diagram.

2.1.8 Question 8: Space Dynamics

This question instructed the candidates to examine six consequences caused by the depletion of the ozone layer in the atmosphere. The total marks allocated for this question were 20.

The question was attempted for by 76.3% of the candidates, of whom, 44.7% scored from 12 to 20 marks, 50% scored from 7 to 11.5 marks, and 5.3% scored from 0 to 6.5 marks. The general performance in this question was good as 94.7% of the candidates who attempted it scored 7 marks and above. Figure 8 illustrates the performance in this question.

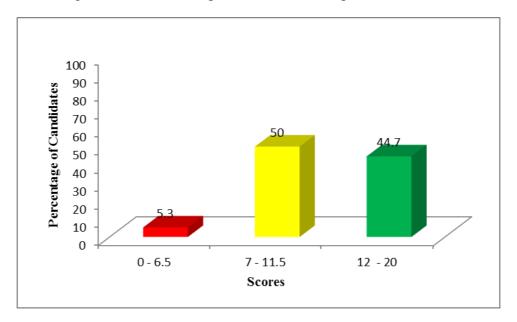


Figure 8: Trend of Candidates' Performance in Question 8

The candidates who scored from 12 to 20 marks showed a clear understanding of the topic of space dynamic, especially in regard to the concept of climate change. They were able to provide a correct introduction of the ozone layer as the upper layer of the atmosphere above the earth surface that contains a concentration of ozone sufficient to block, collect and absorb harmful ultra violet radiation from the sun. They examined six consequences of the depletion of the ozone layer in the atmosphere such as; increased amount of ultraviolet radiation, diseases(skin cancer), global warming, loss of biodiversity, climate change and destruction of valuable materials(synthetic, polymers) and provided relevant conclusions.

Other candidates in this category defined the ozone layer, explained six consequences without providing a conclusion while, others failed to define

the ozone layer in the introduction but managed to explain six consequences of the depletion of the ozone layer and a conclusion. Others gave incomplete introduction but managed to explain six consequences caused by the depletion of the ozone layer and provided a relevant conclusion. Their marks varied because of differences in the quality of their responses. Extract 1.8.1 exemplifies such good responses.

	Ozona layer is the Oz isotope layer
	which absorbs harmful radial-rays from sun. Ozone
	layer deplotion is the destruction of ozone layer causing
	it to have holes in it. The destruction are caused by
	of green house gases. The exerne layer is found in the
	stratesphere in (15-25) Km alove sea level. The effects
	of depletion of coone layer include;
	Melting of ice caps, and ize in Artic regions.
	The depletion of ozone layer results to increase
	of temporature which results to melt of the
	caps in mountain example Mt. Kilimaniaro
	which recently has been reported to loose its snow at
_	the peak. But also melting of ize in the polar
_	region due to increase in temperature
-	Increase in sea level. The melting of ite
	in polar regions due to ozone layer depletion
	result to increase of water at the rea caused
+	by the me water from meltod ise.
	Climatiz change. The increase in tempora
-	ture results to global climatic change. In areas
+	where there was coldness it is now hot, area which
	received rainfall now they don't. There is distartion
	of normal climate in most parts of the world
	Harmful radiation will cause cancer disease.
+	The depletion of ozone layer means that the
	harmful infra red radiation will be able to reach
+	the earth surface which will later cause cancer
-	discourse to mostly people who lack melanin.
1	Loss of biodiversity. Due to climatic
	change some species wont be able to surrive the

also some of the species will have to migrate
the area
Increase in global temperature. The depletion
of ozone layer will result to increase in the
temperature because the earth's blanket has been
destroyed thus all radiation from the sun
will direct reach us
Ozone layer depletion an't be stopped
directly but we can just minimize the rate of dopler
ting it through use of alternate source of energy
instead of firewood, coal. Using of non-smake
emitting machines, industries should have to recycle
the gases which they emplit.

Extract 1.8.1 represents a sample of a good response

The candidates who scored from 7 to 11.5 marks had moderate knowledge and skills of space dynamic, specifically on climate change. Some candidates in this category were able to provide the relevant introduction, explained incomplete six consequences brought about by the depletion of the ozone layer, and provided a conclusion. Some candidates were able to provide a correct introduction, but then mixed up correct and incorrect arguments on the consequences of the depletion of the ozone layer without conclusion. For example, one candidate gave a correct introduction of the ozone layer but provided irrelevant points such as pollution and movement of large number of animals, while others gave incomplete introduction of ozone layer and explained few consequences of the depletion of the ozone layer and incomplete conclusion. Moreover, others failed to explain the meaning of the ozone layer but managed to explain few consequences brought about by depletion of the ozone layer and they provided a conclusion. Therefore, the variation in their marks was caused by the strengths and weaknesses of their responses.

Furthermore, the candidates who scored from 0 to 6.5 marks showed shallow knowledge of the consequences of depletion of the ozone layer in the atmosphere. Their responses showed that the subject matter was not clear to them, especially in addressing the impacts of climate change. For example, some of the candidates managed to give a definition of the ozone layer, and explained incomplete few consequences of the ozone layer depletion without providing a conclusion. Some candidates managed to

explain only few consequences of ozone layer without an introduction and conclusion, while others misinterpreted the question and their answers were too general, shallow and incorrect. For example, one candidate explained the contribution of the ozone layer depletion such as; *it provides enough oxygen, results into precipitation and provide good habitat for living organisms* instead of the effects of the ozone layer depletion. Extract 1.8.2 shows a sample of a poor response.

₽.	Ozone layer rejers to the layer which are found
	between the 25km to 30km in the atmosphere. Into
	the vertical shuchuse of the earth the ozone layer (03)
	are found into the second layer which is Stratosphere
	Osone layer act as a blanket on the atmosphere which
	are Utraviolet radion to the human skin the follow
	Bone layer in the atmosphere.
	It support plants and animals (stora and paul
	na) the ozone layer is important to the plants and
	the vertical structure of the earth the ozone layer (Oz) are found into the second layer which is stratosphere Osone layer act as a blanket on the atmosphere which are ultraniolet radion to the human skin the follow Ing are the consequences brought by depletion of the

8.	animals for the support both to develop well into
	the atmosphere. The plants are interdependence by ani
	mals for exchange of manues for food into the
	animals.
	It is the place where there is an occurance of rai
	nearly formation, the ozone layer (Oz) are support to
	the rainful formation in the atmosphere. The rainful
	Come from the atmosphere which have various impails
	to the human life and animals as well as plants
	It support communication system, refer to the
	exchange a information from one people to another pe
	ople. So, due to the presence of ozone layer in the atm orphere cause the Communication network to be fast
	exphere cause the Communication network to be fast
	er from one people to another people.
	Broughted into the promotion of gas, with the atmosphere there is an occurance of various gases whi
	almosphere there is an occurance g various gases whi
	Ch are responsible into the human life. Example there
	is an occurance of Oxygen gas, Methane gas and the
	he is Nitrogen exide gas. All this are found into the
	orone layor of the atmosphere.
	Broughted into the act as a blanked for the ultr
	aviolet radiation; the exore layer (Oz) with the almos
	phere act as a blanket into the human skin which
	may cauce the cancer. So this they supply the low
p-1	ammount of solar radiation to the human skin
	of Mich not have eyect. Example they supply 5% g solar radiation to the human. Promote to the particulate matter in the atm
	g Solar radiation to the human.
	Promote to the particulate matter in the atm
	osphere, there are various particulate moters which
	are may influence the occurrance of clusts on the atmo
	Sphere and also there is an graver which are used
	osphere, there are various particulate moters which are may influence the occurance of clusts on the above sphere and also there is an graven which are used into the building materials like infrashuctures are
	1

Extract 1.8.2 shows a sample of a poor response

In extract 1.8.2 the candidate explained the significance of the ozone layer instead of the consequences of the depletion of ozone layer.

2.1.9 Question 9: The Dynamic Earth and Consequence

The question demanded the candidates to explain four factors for the occurrence of earthquakes and give its four effects. The total marks allocated for this question were 20.

The question was highly attempted as it was done by 96% of all the candidates out of these, 50.6% scored from 12 to 20 marks, 44.5% scored from 7 to 11.5 marks and only 4.9% scored from 0 to 6.5 marks. The general performance in this question was good since 95.1% of the candidates, scored 7 marks and above. Figure 9 illustrates the performance in this question.

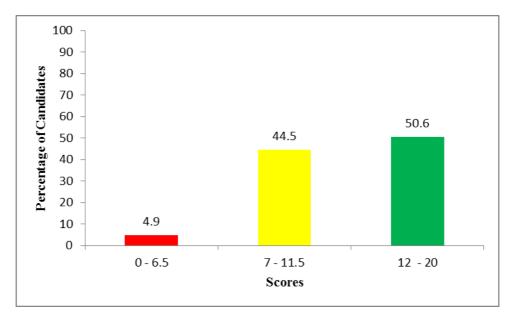


Figure 9: Trend of the Candidates' Performance in Question 9

The candidates who scored from 12 to 20 marks showed a clear understanding of the occurrence and effects of the earthquake. Some of the candidates were able to provide a correct introduction as *Earthquake is the shaking or vibration of the earth's crust due to the sudden and rapid displacement of rocks along the line of weakness*. They explained four factors for the occurrence of earthquake; *plate tectonic movement, volcanism, man's influence and mass movement* and its effects which are; *collapse of house and other structures, faulting and production of joints in the rocks, tsunamis, rise or lower part of the sea floor* and *landslide*. They also ended up with relevant conclusion. Some of the candidates in this category gave a correct introduction, described incomplete factors for the

occurrence of earthquake, its effects and provided a conclusion. Some of them provided incomplete introduction, explained correctly the factors for the occurrence of earthquakes but gave few effects of earthquakes, with a conclusion. Others gave a correct introduction, explained few factors for the occurrence of earthquakes and their effects and incomplete conclusion. Variation in their scores was influenced by the strengths of their explanation. Extract 1.9.1 is a sample of such good responses.

9. Earthquake refers to the vibration or	
shaking of the earth's crust due to sudden	
displacement of rocks along the line of weak	
nesses. Earthquake originates from a point called	
focus. Epicenter is a point where the earthquake	
hit first and cause maximum distruction. Waves	
which are generated by the earthquake are	
known as seismic waves. The following are	
the factors for the occurance of earthquake;	
Movement of tectonic plate. When the	
plates moves either through convergence or	
divergence, causes the displacement of rocks	
found in the crust thus leading to the occu-	
rance of earthquake. for example divergence mo-	
vement of continental plates, oceanic plates	
or a continental and occanic plates moving	
towards one another.	
Volcanicity. During volcanicity, the	
motten materials which are maging are pushed	
out by a very high pressure, whole on coming	
out into the earth it purher the rocks which	
are found within the line of weaknesses and	
displace them and hence causing the occurance	
of earthquake.	
Mass movement. This includes the	
rock fall. When the rocks falls especially bigger	
rocks, causing the shaking of the earth crust, and within the earth crust there is rocks	
then shaking of the earth's crust causes also	
the rocks in the crust to vibrate then on	
vibrating cause the earthquake to occur along	
the lines of weaknesses.	

9 Falling of objects from the space. Forex-	\dashv
ande meteorite. Meteorites are large in size	\dashv
and they causes much vibration of the earth's	
crust when it falls on the earth surface. On	_
vibrating of the crustal rocks leads to the	_
occurance of earthquake.	
Forthquake when it occur it causes	
the following effects:	
faulting and production of fractures in	_
the rocks. When the earthquake out occurs	
faulting occurs especially in the lines of weak-	
ness and fractures or joints are produced	
due to their displacements.	
Leads to law of people's lives and	
destruction or properties. When the earthquake	
occur many properties are destroyed for example	
buildings, and road, also many people loose	
buildings, and road, also many people loose their life due to the colapse of building where	
they settle and sometimes due to the coller	
pse of mines.	
It causes land slide which result into	
land degradation. One of the causes of land	
slide is earthquake, then when the land slides	
causes the degradation of the land because	
after the land slide has occurred many materials	
moves down to the gentle slopes and make	
that area more prone to soil erosion.	
It leads to the subsidence of the earths	
crust. Earthquake causes the land to subside	
and thus leading to the formation of various	
features like rift valley and basin. When they	

9 are occupied by water they result to the forma-
tion of rift valley laker like lake Nyara
and downwapped or basin lakes.
In general, Earthquake is very dangerous to
the life of people, so in order to avoid the
rate of occurance of earth and save peoples life
the geologists should detect the epicenter and tell
people to migrate from those areas which are
prone to earthquakes, avoiding building high rise
buildings, avoiding contraction of large dams
which can hold more water and promote the
occurance of earthquakes and lastly reducing the
use of explosives in mining activities.

Extract 1.9.1 represents a sample of a good response

Moreover, the candidates who scored from 7 to 11.5 marks showed moderate knowledge in the occurrence and effects of earthquakes. Some of the candidates in this category were able to provide a definition of earthquake, explained incompletely the factors for the occurrence of earthquakes, their effects and provided a wrong conclusion. Some candidates in this group managed to provide a correct introduction, but failed to explain clearly four factors for the occurrence of earthquakes and their effects. All the same, they gave relevant conclusions. Some were able to define earthquake, describe factors for the occurrence of earthquake, but failed to provide the effects of earthquakes. Others provided a correct introduction, mixed up correct and incorrect points on the causes and effects of the earthquakes. For example, one candidate wrote on the causes of earthquakes as isostatic readjustment, gravitational force and on the effects of the earthquake he/she wrote can lead to volcanism, atmosphere pollution, earth can result into loss of lives/death. The other candidates provided a definition of earthquakes, described few factors for the occurrence of earthquakes and its effects and gave a relevant conclusion. The quality of their responses was reflected in the scores of each candidate.

Furthermore, the candidates who scored from 0 to 6.5 marks showed little knowledge of the occurrence and effects of earthquakes. Most of the candidates in this group were able to define earthquakes but failed to explain the factors for the occurrence of earthquakes although they managed to explain one effect of the earthquake. For example, on the factors for the occurrence of earthquakes one candidate wrote that:

construction of the tall buildings, overgrazing, and deforestation but managed to give one effect of earthquakes. Some candidates gave incomplete definition of the earthquakes and provided few explanations on the factors for the occurrence of earthquakes and their effects, while others were able to give a definition of earthquake but mixed up correct and incorrect answers. For example, one candidate provided incorrect effects of earthquake as: occurrence of global warming and availability of building materials due to the breaking down of rocks. Another candidate provided a correct introduction but wrote incorrect points on factors for the occurrence of earthquakes: movement of large number of animals, transportation using heavy tracks, fire outbreak and outbreak of diseases. Some other candidates wrote incorrect points on the effects of earthquakes including: increase in temperature, construction of large dams, fire outbreak and formation of feature e.g rift valley. This situation led them to score low marks.

Likewise, there are candidates in this category who lacked knowledge and skills in the factors for the occurrence of earthquakes and their effects. They provided answers which did not meet the demands of the question. Extract 1.9.2 represents a sample of a poor response in this question.

O. Earthquake this can be defined as the notion shaking	
and hembling of the earth, the own be due to various	
lateral monarisms that might have been occurred.	
The following are the owner for the occurrence of the	
earthquake.	
Contraction of the tall buildings, this can also be one of	
the factor since when the building is postly conducted when	
the leavy rain occur, the rail becomes more monted that	
It may pail to handle the building lence the building	
can be a sawative of the sathquate.	
Octograzing, this To the teoping of a large number of	
notites in a small and can also and to earth guale due	
to the congestion of the small land highly being used	
with the large activity	
Defforestation, this may also lead to the occurred	
the earthquake since the highly the number of free is	
being out of the highly the outer land become law they	
taling dage or orcur in a nodden.	
the land fail to control any activity which might be taking place or orcur in a rudden.	

Extract 1.9.2 is a part of a poor response

2.2 113/2 GEOGRAPHY PAPER TWO

SECTION A: POPULATION AND DEVELOPMENT

This section consisted of three (3) questions which were set from the topic of Population and Development. Candidates were required to answer two (2) questions. Each question carried 20 marks.

2.2.1 Question 1: Population and Development

Candidates were required to discuss the statement, "Population is never static, and rather it is dynamic." This question had a total of 20 marks.

The question was attempted by 60.2% of all the candidates who were registered for this subject. The general performance in this question was good because 80.2% of the candidates scored 7 marks and above. Further analysis on this question shows that 11.7% of the candidates who attempted it scored from 12 to 20 marks, 68.5% scored from 7 to 11.5 marks and 19.8% scored from 0 to 6.5 marks. Figure 10 illustrates the performance in this question.

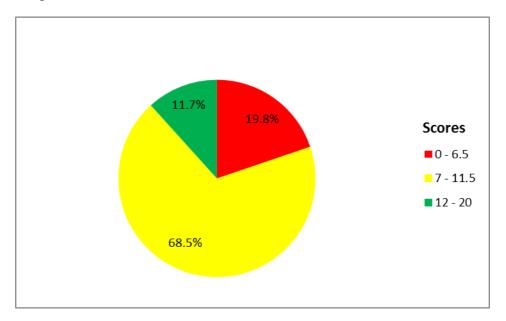


Figure 10: Trend of Candidates' Performance in Question 1

The candidates who scored from 12 to 20 marks showed good knowledge of population change and the quality of life and hence they understood the demands of the question. They were able to explain the factors for the population change. For example, some of the candidates managed to give a correct introduction of population as *the number of humans occupying a*

certain geographical area at a specific period of time. They were also able to give the determinants of population change such as: *fertility*, *mortality* and *migration*, and in each determinant they explained their factors.

For example, one candidate wrote: fertility as a determinant of population change is determined by age and sex at marriage, level of income, level of education, use of contraceptives and religion and culture. Furthermore, he/she explained that mortality as a determinant for population change is determined by such factors as insufficient supply of nutrition, level of infectious diseases, and quality of health care services, violence and crime. He/she further explained that:

Migration as one of the determinants for population change is determined by physical conditions such as nature of the soil, hazards and relief; economic factors such as employment opportunities; and social cultural factors like social conflicts, forced marriage, entertainment, education and health service and political factors such as civil wars and political instability.

Some candidates defined population in the introduction, gave correct determinants of population change, and explained incompletely the factors for each determinant of population change. Others provided a good introduction, few correct determinants of population change, and gave the factors with incomplete conclusion. The variation in their scores was determined by the strengths and correctness of their explanations.

Furthermore, the candidates who scored from 7 to 11.5 marks showed an understanding of the demands of the question but were either not able to provide the required number of points as the question demanded or mixed up correct and incorrect answers. For example, some candidates gave a relevant introduction, and explained incompletely the determinants of population change such as; *fertility, mortality, migration* and their factors. Some of them defined population in the introduction, gave few factors on determinants of population change with incomplete explanations and a conclusion. For example, one candidate mixed the factors for population change with the contribution of overpopulation, he/she wrote; *it stimulates the development of science and technology, stimulates growth of towns and cities, provide labour and it encourage the development of markets*. Partial explanations of the points affected their performance by scoring not more than 11.5 marks.

Moreover, the candidates who scored from 0 to 6.5 marks did not seem to understand the demands of the question. Some candidates were able to define population, and gave the general characteristics of population: unevenly distributed, face various problems, being characteristics by age and sex variation, being dynamic and dominated by variation in the level of development. Some of them provided incomplete introduction, with irrelevant points, and conclusion. For example, one candidate wrote; development of science and technology, development of towns and cities, modern production, improvement of transport and communication, increase in the demand of production and development of defensive mechanism answers which were not related to the demands of the question.

Another candidate explained the pull and push factors for population growth, including: availability of social services, good transport and communication, employment opportunity and climatic condition.

Besides, some of the candidates in this category did not manage to answer the question according to its demand. Their responses showed that they lacked knowledge of skills in population and development especially regarding the concept of population change, hence they provided incorrect answers which caused them not to score any mark. Extract 2.1.1 is a sample of poor responses in this question.

11	population. Is the total number of-	
	people occupying to a cortain Josety or county,	
	people occupying to a cortain Jossely or country, Itu Luman population is never static ratur	
	It is static dynamic, the statement is very	
	True the population is never static but is	
	Clynamic due to the Various foutors, The	
	lunear population was vary from place to	
	place the to various feature sines as potitives	
	factors, historical factor, biological factor and	
	Others, population is never statu rather it	
	Di dynamie due to flu following points.	
	population timulate clueropment	
	of disence and technology; population mo	
	ber very important to a cottain country	
	because it can contribute to the developm	
	ent of Sirence and Technology to a certain	
	court tuch as Skiller labour.	
	population stimulates growth	
	of towns and cités; Hus hurian	
	population can stimulates to the growth	
	of towns and cities to a certain country	
	HORXAMPLE in Dan-es-salean, MWES 29,	
	Nairobi Kenya and others.	
	population provide labour to-	
	a certain/country, 8150 the human	
	population can load to promose abour	
	to a Cortain Country in order to improve	
	the clevelopment in the country, Example Heilled	
	and unskilled labour,	
	population enlourage the _ dwflopment of Markets; the Luman population also can contributed to the	
	duttopment of Markets, The Luman	
	population also can contributed to the	

11	to the development of Markets. Forexomple	
	Reople wer Monty from one place to another	
	or from one country to another in order to	
	(melvet visous actinties lie trade,	
	population stimulates the provision	
	of social services; \$150 the luman-	
	population can contribute to the provision	
	of vousel services to a certain vouseties	
	or countres, Example hospitals, schools,	
	electricity, water supply end other	
	fenses While are very important,	
	population stimulates the developm-	
	ent of infrastructure facilities; the lumas	
	population also con contribute to the	
	INDION KMENT OF INTROSTRUCTURE (CONTINUES	
	Juils as loads, Railways Which could help	
	in transportation of raw materials and people	
	From one place to another,	
	population stimulate the living-	
	standard of the people, the human population	
	also can enceurage to the improvement of	
	the living standard of people to a lertain	
	country. Forexample people moved from one	
	place to another in order to get good services	
	like to food,	
	population stimulates the develo- pment of industries; Also the Luman	
	poment of industries; Also The Luman	
	population con contributes it for our from ent	
	of industries to a certain country, Gerenaugh	
	the people involvement in various activities	
	line Orgin witure can les to the provision of	_
	row pertanal like cotton, coffee.	

Extract 2.1.1 illustrates a sample of incorrect answer

In extract 2.1.1 the candidate wrote advantages of high population growth instead of discussing the reasons on why the population is dynamic.

2.2.2 Question 2: Population and Development

The candidates were required to describe eight population characteristics in developing countries. The total marks allocated for this question were 20.

This question was opted for by 63.4% of all the candidates who sat for this examination. The general performance in this question was good, as 73.2% of the all the candidates who attempted it scored 7 marks and above. Further analysis of this question shows that 26.9% of the candidates scored from 12 to 20 marks, 46.3% scored from 7 to 11.5 marks and 26.8% scored from 0 to 6.5 marks. Figure 11 illustrates the performance in question 2.

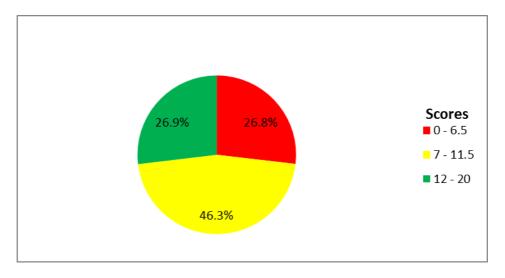


Figure 11: Trend of the Candidates' Performance in Question 2

The candidates who scored from 12 to 20 marks understood the demands of the question. They had good knowledge of the population structure, which enabled them to describe correctly population characteristics in developing countries. Some candidates in this category were able to give a correct introduction of population as a number of humans occupying a certain geographical area at a specific period of time. They provided a correct description of population characteristics as; unevenly distributed the age and sex structure, rapid population growth, high dependency ratio, low life expectancy, under nutrition or malnutrition, lower per capital income, predominance of agriculture and low level of industrialization and gave a relevant conclusion.

Other candidates provided a definition of population in the introduction, incomplete explanation of population characteristics in developing countries, and a conclusion, while others provided a relevant introduction

and few population characteristics of developing countries and a correct conclusion. The variation in their scores was determined by the strengths and accuracy of their explanations. Extract 2.2.1 demonstrates a sample of a good response.

O Population report to the total number of people	
2. Occupaing in a Given or cotain area. Population, is Greatly apported by number of factors even as dimente, Discuses of which all of These pactors appet the	
Greatly assocted by number of factors luch as dimate,	
Discases of which all of These pactors affect the	
Distribution of population in a country, However	
Population also is charterized by number of peatures	
Distribution of population in a country, However Population also to chacterized by number of peatures Which show how population is, Population Structure	
are used in ctudying the population gree as well as	
The age-sex proportion and Growth of population in a	
Other country. The population of the developing	
are used in studying the population gree as well as The age-sex proportion and Growth of population in a Given country. The population of the developing. Countries is charterized with the following features;	
It is dynamic. The population in developing	
lt is dynamic. The population, in developing Countries is dynamic, that is it changes with time The population do not remain constant but changes	
The population do not remain constant but changes	
with the existing Invivonment that is the population	
dynamics are affected or Inpluenced by pactors such as	
Migration, Immigration the death rates of which all	
with the existing Environment that is the population dynamics are affected or Inchenced by Factors such as Migration, Immigration the Scathwater of which all of these cause ranitions in the population of a	
Otiven Country	
It is unevenly distributed. You langue, in	
Many developing countries to unevenly distributed that people tend to swell in areas with potentialities and	
people tend to Swell in areas with potentialities and	
While areas which are not potential They are not awelled by people and hence the population is	
dwelled by people and hence the population is	
Awelled by people and hence the population is Uneverly distributed in the developing countries like Tanzania, Kenya, Malawi where by Some areas are densely populated while Other areas are less populated	
Tanzania, Kenya, Malawi where by Some areas	
are densely populated while other areas are less	
populated? 1	
It changes for terms of Structure. The	
population in developing countries tong to change in	
Terms of structure and Thus Giving a difference	
the changes in terms of Structure. The population in developing countries tong to change in terms of structure and Thus Giving a Significance in the population Structure of a place, where by	

() (), +1
() Since the population of never static, it changes in
I terms of structure, and thus appeting the population Structure in developing countries like Janzania
structure in developing countries like lanzanic
Mahwi, Mozambianie at the population in
Such devoloping Guintines change in terms of structure
and hence appecting the population structure
and hence angesting the population structure It is associated with Social unrest due
to the Encreanization population. Also population in
Developing Countries to associated with Social unrest
due to the increasingly population of which anects
the existing population and thus creating in pleasant atmosphere where by people are in state of notone due to the Social invest caused by the
Pleasant atmosphere where long, people are in state
De notonce due to the Social privest caused by the
Mirma Liva anal lation.
11 11 ALIOGOD BY ALLGUST SUCH AS
HN/AIDS and natural calamities. Also the population
of the developing Countries is apported by Orsearch
Such as HIV/AIDS, cholera and also natural
Calamities of which include floody Earthquakes
and many other, Which affect the number of
The people in a Given population eaving a
decrease in the population number on the people
decrease in the population number of the people. It is associated with the underdevelopment
of the Lovel of Science and Technology as well as
The general declarament look troubables. In developing
Countries to also quested or associated with the
Important po the Level of Cionce and
Todansloan but also Economic devalopment Since
Countries to also affected or associated with the Underdevelopment of the Level of Science and Technology but also Economic development Since Many of the developing Countries are poor but also They have poor Science and Technology It is associated with high birth rates. The population of the developing countries is associated
also They have oner Trionic and Tochnologia.
It is a separated with high britter rates
The population or the developing sounder to a unavited
THE POPULATION OF THE COUNTY O

) with high birth rates, where by the number of	
2 popule Know on Beautiver the de die to the force of	
In the fertility rate but also the death rates	
Which are provailing are at the regult of the	
rivado avato troatth Easilities and poverto too Which	
prevails in Many OF the developing countries and longer	
The population is associated with thich birth rates	
But also then death rater too in the Country	
People Koop on Becoming thigh due to the increase in the fertility rate but also. The death rates Which are provailing are as the result of the inadequate thealth facilities and poverty too which prevails in many of the developing countries and beno The population is associated with thigh birth rates But also they death rates too in the Country. The population has age-lex shuture	
Determine The age-Sex proportion in the Guntry. Many of the developing Countries have age-sex Structure Which determines the proportion of age-Sex and Thus, determining the proportion Size of a Given Country due to the age-sex structure which is in	
OF the developing Countries have and sex Structure	:
Which determines the proportion of age- Sox and	
Thus, determining the population fire of a given	
Country due to the age-cex structure which is in	
the population of the developing countries	
Conclusively, Population density which is	
the population of the developing countries Conclusively, Population density which is One of the aspect of population is Greatly influenced by Several factors or assected Such as Climate diceases	
by Soveral Factors or affected Such as Climate, diseases	
of which agreets the Population of the Developing	
Countries and the distribution as some areas tond	
to be thigh densely populated while other areas	
Tond to be Lowly densely populated in many	
of which ayede the Population of the Developing Countrier and its distribution as some areas tend to be thigh densely populated while Other areas Tond to be sowly densely populated in many Developing Countries-due to number of pactors	

Extract 2.2.1 is a sample of a good response

Moreover, the candidates who scored from 7 to 11.5 marks portrayed moderate knowledge of the population structure. For example, some candidates in this group were able to give the correct meaning of population, described incomplete population characteristics and provided a correct conclusion. Some of them gave incomplete introduction, few points without explanations, and an incorrect conclusion. Others defined population, mixed up correct and incorrect explanations on population characteristics, and gave incorrect conclusion. Therefore, the variation in their scores was caused by strengths and weaknesses of their answers.

The candidates who scored from 0 to 6.5 marks showed little knowledge of the subject matter of population and development, especially on population structure. Some of the candidates in this category were able to give a correct introduction, described incompletely few population characteristics of developing countries and provided a correct conclusion. Some of them defined population in the introduction but failed to describe population characteristics in developing countries and provided a good conclusion. For example, one candidate wrote; presence of crimes, outbreak of diseases, unemployment, bad utilization of natural resources, climatic change, environmental pollution, high rate of dependency and bad traditional practice as population characteristics of developing countries.

On another note, the candidates who scored a 0 mark were not able to answer the question according to its demands. For example one candidate mixed up the characteristics of population with the problems associated with population such as; unemployment, social crime, characterized with diseases, lack of education, and increase in number of street children, poverty and increase in prostitution. Another candidate wrote the impacts of high population growth such as; improvement of social services, increase in labour forces, raise in revenue, economic diversification, dependence ratio, increase in social evils, loss of government revenue and lack of employment instead of characteristics of population in developing countries. Extract 2.2.2 demonstrates a sample of a response from the candidate who failed to meet the demand of the question.

Ditair and
Which living together in a specific area at a particular time and it has a characteristic of variation of
Which living abgether in a specific area at a par-
filler time and it has a characteristic of variation of
level of production between rural areas and urbanared
level of production between rural areas and urbanareau The followings are Characteristics of
population of developing countries such as,
Good transport and Communication -
customs this is among of characteritize or population-
which is in developing ourtries like China due to that
which is in developing Gurthies like China due to that there would be good in transports and Communication.
systems like roads, railways and even ports are good in-
these countries.
Good provision of social services,
also social services like health, -Celucation, watersupp-
In and even electricity supply can be good in those
creas in developing countries and there would be
un and even electricity supply can be good in those areas in developing countries and there would be also good provision of medical health services to all.
Development a elonomic activities,
alco the characteristic of population of develoing country-
also the characteristic of population of developing country- is that, there should be the presence of developme- nt of economic activities such as agriculture, trade,
nt of economic activities such as agriculture, trade,
mining, industrialization, mining and even fishing autivities
show that the area of that population is from developing County.
Linally in order to another of tax office
to be come developing in its population there is many- problems such as availability a capital and even govern ment expenditure and be used soas to attain this countries
problems such as availability of capital and even govern
ment expenditure an be used so as to attain this countries
with developing one,

Extract 2.2.2 demonstrates a sample of a response from the candidate who failed to meet the demand of the question

2.2.3 Question 3: Population and Development

This question had two parts (a) and (b). In part (a), the candidates were required to describe the following terms as used in the study of population: (i) optimal population (ii) life expectancy, and (iii) crude birth rate. In part (b), they were required to describe five causes of high mortality rate in Tanzania. The total marks allocated for this question were 20.

This question was attempted by 76.3% of all the candidates who sat for this subject. The general performance in this question was good because 87.9% of the candidates who attempted it scored 7 marks and above. Further analysis in this question shows that 39.8% of the candidates scored from 12 to 20 marks, 48.1% scored from 7 to 11.5 marks and 12.1% scored from 0 to 6.5 marks. Figure 12 illustrates such performance.

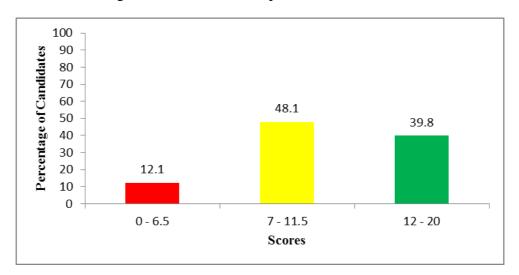


Figure 12: Trend of Candidates' Performance in Question 3

Most of the candidates who scored from 12 to 20 marks showed an understanding of the concept of population change, especially optimal population, life expectancy, and crude birth rate. Their explanations were well organized and focused. Some candidates gave correct explanations of the terms used in population study such as; optimal population, life expectancy and crude birth rate in part (a).

In part (b), they were able to define high mortality rate in the introduction as the occurrence of death in a population and described five causes of mortality rate in Tanzania such as; poor medical services, existence of infectious and communicable diseases, presence of hunger and famine, ignorance and poverty, cultural aspect, maternal complication and

frequent accidents. These candidates provided relevant conclusions. Some of them were able to describe incompletely the terms used in population study, described correctly five causes of high mortality rate in Tanzania, and provided a correct conclusion. However, their marks varied from 12 to 20 depending on the strength of their responses. Extract 2.3.1 is a sample of a good response.

3ª.	
y Optimal population - Is the kind of population in which	
the available resource sustain the available number of	
people. It is a poplation which is table and the reason	
are a affect to all people. Ophinal a let is material	
the available resources sustain the available number of people. It is a poplation which is stable and the recurred are a cofficent to all people. Optimal probate is charactered by high level of development. They have high per capital training their ladical and the ladic	
trans the ladyhal and heard in the high per capita	
and Technology is high engine to use and exploit the	
and reasonable is high engin to the one exploit the	
acabble vermer.	
in life Expertony - Is the Average number of years a	
peace is expected to Live in a given Country.	
life expectorcy differ from one winty to another country	
de to different number of factors African countries expensive	
de to different number of footbox African custous experience has like expertence than debutuped customers like America	
and Empe. Course of Low life Expectory Include	
for Health senior Post fixed copply. According and other faction	
that case doth rate to increase	
Description to though	
ii (C.J. B.H. O.t. (c.s.o.) 70; 4	
ii/ Gode Birth Rate (CBR) - This 4 the number of Live	
both rate is measured per Thousand of people and	
both rate 11 messared per Thursd of puper and	
fer year. Cride Birth Rate should exceed Cride death	
rate insola the life expecting to be said High.	
Critle Birth Rate = Number of Live hirths & 1000	
Total polation	

36	Mortality rete is the rate of death
77	Occurring in a your in a given winty. Mustality rate
	is the total electris regardless being Infant child or old
	mortality rate Most of the developing Courtnes have High
	mitality pute their declared wiston the America and
	China. Modelity rate is one of the parter that detamine
	the life expectory of a Certain Country. In Tanzonia
	the life expectory is a Cortan Country. In Tanzonia the Mortality rate is fairly large compared to other contine since It is a por Contry just like other Agricon Country.
	contine since It is a por lastry just like other African waster
	The pollowing are some Coemics of High mustality rate in
	anzanja.
	Poor and Insufficient Health Service. Most of
	Tanzania Hospitali hair por prinsin of Health service compared
	to other wanter hapitals. Few diction are present but also
	there are a lot of lowfluest consists its machines and Medican. Also Hospitals are not enough compared to
	the most set to Co. Top of the most to
	the number of posters. Since Torsonan don't rece god only quality then the motality rate being Higher as people du due
	to dark of proper teatment
	Accidents caused by poor resile and Rowlings, the
	Uso of arthorist Vehicles lack of education to the Road safety
	Lot y legebr check-up wer-confidence y some drivers, Bod
	wheather anditur, Lact of energy true to sleep, drankhardness
	and lack of good places and street laws. Regular Acadestria
	Tanzonia have Corthoted to high motality rate in the
	Conty.
	Pour Nutrition and enough fuel. Must of the Tonzonia
	don't obey the Balone died rile and some expensive a very
	pur dul with no notative value. This make must of the
	Torsenic to beans prome to different injects like obserty, Blood
	pressure diabetes and other depending that laws the light year.

Extract 2.3.1 Sample of a good response

Furthermore, the candidates who scored from 7 to 11.5 marks showed moderate knowledge and skills of the subject matter, and were able to meet

the demands of the question. In part (a), some of them gave incomplete descriptions of optimal population, life expectancy and crude birth rate. In part (b), they managed to give a correct introduction, explained incompletely few causes of high mortality rate in Tanzania and provided relevant conclusion. Some candidates were able to describe incompletely few terms used in population study in part (a). In part (b) they gave the meaning of mortality rate and described incompletely the causes of high mortality rate in Tanzania. Others failed to explain terms used in population study but gave few causes of high mortality rate in Tanzania but without explanations.

Moreover, most of the candidates who scored from 0 to 6.5 marks provided incomplete responses due to low level understanding of the subject matter. They also misunderstood the demands of the question by providing correct and incorrect responses. For example, some of the candidates failed to describe the terms used in the population study in part (a). In part (b), they managed to provide a relevant introduction, gave incomplete explanation of the causes of high mortality rate in Tanzania but without a conclusion.

Others provided irrelevant causes of high mortality rate in Tanzania, with a partial conclusion. One candidate wrote *optimal population is the equal number of death rate and birth rate in the society, crude birth rate refers to the number of birth in a population per number of women child bearing 15 to 49 multiplied by 1000 or 100 in the population in part (a).* Therefore, he/she confused crude birth rate for fertility rate. In part (b), he/she failed to define mortality rate as she/he wrote: *is the number of death in children under 5 years in a population which is obtained by taking her number of birth rate per number of population multiplied by 1000 or 100.*

Some candidates in this category scored 0 marks because they were not able to provide correct responses as per the demands of the question. For example, one candidate provided irrelevant definitions: crude birth rate as death rate occurred for the child from 0 to 1 year of the population after birth and optimal population is a group of people occurred in a certain geographical area. In part (b), he/she failed to explain the causes of high mortality rate, he/she wrote; lack of birth control, dying of children at infancy stage, high demand of children to work in farms, religious beliefs and regarding children as sign of wealth, ending up with irrelevant conclusion. Extract 2.3.2 is a sample of such poor response.

36)	Describe five causes of high mortality rate in
	Tanzania:
	High Mortality is the increase of both
	number of people and death number of people
	in Tanzania. The Following are the causes
	of high mortality rate in Tanzania are
	as Follows!
	Early marriage is the marriage of
	people who are below 18 years. The high
	mortality rate it can also be caused by
	Early marriage where by a girl when delivering
	a baby can die becouse of the problems which happens when delivering a baby
	which happens when delivering a baby
	Which cause high mortality rate
	Improvement of social services like
	health, water, Food which can led to
	increase of birth number of people in a
	given area. The improvement of social sensors can led to high mortality rate in aniona
	can led to high mortality rate in langua
	Family planning is the planning
	which shows how many tholdren should
	get in the family family planning can
	also lead to increase of burth rate
	of People in a country family Planning

3 b) to the Factor For the high Mortality rate
in Tanzania which led to hear population
of both rates because of Family planning
Food taboas is where by women
are being discremenated eating a certain
type of Food-like eggs which believes
that will bare a baby with no hairs
which is not a true and that food takes
led to poor health which cause cleath of
girls which cause high Mortality rate
in Tanzania
Finally, the high Mortality rate in
lamanca was raused by Early marrage
Improvement of social services, Bad authority
practices

Extract 2.3.2 is a sample of poor responses

In extract 2.3.2 the candidate mixed up causes of high fertility rate for other population phenomena.

SECTION B: Regional Focal Studies

This section consisted of five questions 4, 5, 6, 7, and 8 which were set from the Regional Focal Studies topics. The candidates were required to answer 3 questions. Each question had a total of 20 marks.

2.2.4 Question 4: Agricultural Development

With reference to oil palm farming in Nigeria, candidates were required to describe four physical and human requirements for tree crops farming. The total marks allocated for this question were 20.

This question was answered by 61% of the candidates who were registered for this subject. The general performance in this question was good as 95% of all the candidates who attempted this question scored 7 marks and above. Further analysis shows that, 66.2% of the candidates scored from 12 to 20 marks, 28.8% scored from 7 to 11.5 marks, and 5% scored from 0 to 6.5 marks. Figure 13 illustrates this performance.

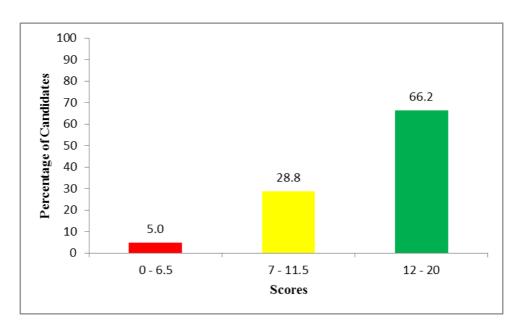


Figure 13: Trend of Candidates' Performance on Question 4

The candidates who scored from 12 to 20 marks accurately focused on the question given. They were able to give a correct introduction, clear and relevant explanations on physical and human requirements for tree crops farming with reference to oil palm farming in Nigeria. Some of the relevant responses given were; physical requirements:- high temperature over 21%, well distributed rainfall over 2000mm annually, well drained soils wit humus, relief well undulated land which is less exposed to strong winds, humidity. Human requirements include capital availability, transport facilities, labour supply, efficient management, processing factories improved science and technology, availability of market and government support/policy.

Some of them provided a relevant introduction, partial description of physical and human requirements for tree crop farming with clear conclusion. Others provided a partial introduction, but were able to describe correctly the physical and human requirements for tree crops farming with relevant conclusion. The variation in their scores was caused by the quality of the explanations and the total number of points provided by the candidates. Extract 2.4.1 illustrates a sample of such good response.

4.	Tre crop forming refer to the agricultural
	outlisty that Involve cuttivities of crops like rubber,
	cocoa and palm tres. Nigeria is a well developed
	nation in the club fairning especially of I palm
	fairning which is community undertaken in oras lite
	Adomawa Abia, Ondo and odu and other parts of
	Marka that from poducing oil partires possure
	perficien to the crops and law materials needed in
	industries. With reference to oil palm forming the
	tollowing one Physical factor for the crops farming
	in Nigeria as explained below!
	Abundant minfall and Moditur. For palm
	trees to dovelop they need lut of water from rain
	for gemination of crops to take place well-Rainfall
	of 1500 milimeters (MM) to 2030 (millmiters) is

4 Kighly needed for oil palm forming to take the priera of wolm acean airents from Atlantic ocean has made it possible for rainfall to be available throughout the year in Nigeria hence development of oil polm forming in Nigeria hence development of sol polm forming in Nigeria hence development of horizona of conductive temperature. Temperature should at levit be from 31° centigrade (21°c) to 25°c entigrade for easy growth; and the temperature of entigrate for easy growth; and the temperature of my proposition. Nigeria is found in Equational advantable usor the equator and hence went of the Huest temperature is worm and hence leading to development of oil palm forwing in Nigeria. Provers of feerile and well drained this Nigeria is blossished to have well drained and off his in feerily words in the support police trees well drained and off his in propriet and also some ones have expressed uncaused outsister heard countries with heavy ainfall that add undisture in the fill surd in bothom posts of Nigeria such at Adamawa and in labor land in feerile. It and also some ones have expressed uncaused outsister were expertant printing artisty in the atmosphere leading to device the every transpiration activities to take place and hence causing humidity in the atmosphere leading to device worthing and here provence of humanisty in the atmosphere leading to device within and here provence of humanisty in the atmosphere leading to device within and here provence of humanisty in the atmosphere leading to device the composition in the following of policial factors have and here cape forming, oil palm in posticulos, such		
priere at walm accon almosts from Atlantic ocean has wode it positible for relocation to be available throughout the year in Nigeria bence development at all polar as conductive temperature. Temperature should at levit be from 31° centigrade (21°C) to 25°C entigrate for easy growth; and the temperature of Migrica supportable. Nigeria is found in Equatorial aliante uses the equator and hence went of the times temperature is worn and hence leading to development of oil palus forming in Nigeria. Province of ferrile and well defined this Nigeria is blossed to have well defined and this is a most of the ferrile chingto with leavy aintall that add undition in the ferrile and also some and have expressed vocavic activities used ferrile with leavy aintall that add undition in the ferrile and also some and have expressed vocavic activities used ferrile with leavy aintall that add undition in the ferrile and also some and have expressed vocavic activities used this liturality in the atmosphere leading to development is and when land is ferrile life Odo and Abia have large forests which support evopetranspirition activities to take place and hence causing humidity in the atmosphere leading to development of planting in higher. Also some human or Afrificial factors have led three coop for wing, all palus in porticular, such led three foreign, and of palus in porticular, such	φ	highly needed for oil palm forming to take. The
has wode ft possible for relinfall to be available throughout the year in Nigeria herce development of Brience of conductive temperature. Temperature should at levit be from 31° centigrade (21° c) to 25° c entigrate for easy growth; and the temperature of nigeria supportition. Nigeria is found in Equatorial abunds supportition. Nigeria is found in Equatorial abunds supportition in Nigeria for leading to development of oil palus forming in Nigeria. Prience of feelile and wied drained this Nigeria is bloused to have well drained and this in feelility which is the palus to have well drained and this in a must of good calculate with beauty aintall that add unditure in two fill and also some anos have exprended objection activities using the have large forms which support evaluation part of Nigeria such as Adamawa and in Isola land when land is ferfice. It bound when land is ferfice. Also some housen or Afrificial factors have and here prisone of humandary in the lay require waithing and here prisone of humandary in the lay require waithing and here prisone of humandary in the lay require waithing and here prisone of humandary in the lay require waithing and here prisone of humandary in the lay require waithing and here prisone of humandary in the lay require waithing and here prisone of humandary in the lay require waithing and here prisone of humandary in the lay require waithing and here prisone because of palus in portable, such		propered of walm ocean almosts from Atlantic ocean
throughout the year in Nigeria herce development of Sil polm forming in Higeria : Priero of conductive temperature Temperature should at levit be from 21° centigade (21° c) to 25° c entigate for early growth; and the temperature of Migeria supportable. Nigeria is found in Equatorial discuste sear the equator and herce wort of the times temperature is worn and herce leading to development of oil palse forming in Nigeria. Priero of feetile and well drained this Nigeria is blossed to have well drained and this fir feetility which support palse trees. Fertile this is a must of good chingto with beauty ainfall that add whister in the fill and also some anos have expressed vocasion activities were traffic with Example of about with feetile this found in isothern ports of Niseria such as Adamatica and in laboland when land is fertile thigh Itumidity in the atmosphere is hard evapotranspirition activities to take place and herce causing humidity in the atmosphere leading to devilopment of palse forming. Palse tree usually require whithe and herce prisone of human or Aprificial factors have led the coop for ming, all palse in particular, such led the coop for ming, all palse in particular, such		has made it possible for relinfall to be available
As point forming in Nigeria . Demperature . Presence of conductive temperature . Temperature . I would at level be from 31° centigade (21°C) to 25°C entigate for easy gooth; and the temperature of . Nigeria for easy gooth; and the temperature of . Nigeria is equated and hence what of the from of temperature is work and hence what of the filer is temperature is work and hence what of file palm forming in Nigeria. Presence of feetile and well drained this highria is blossed to have well drained and this fir in feetility works support polar trees. Feetile this is a result of . Nigeria and also some onas have expressed which which in the file and also some onas have expressed where and confisher with heavy ainfall that add unditure in the file and in southern part of Nigeria such as Adountary and in lobe land when land is feetile. It was also some onas have expressed where and hence causing humidity in the atmosphere have experienced in the place and hence causing humidity in the atmosphere leading to devilopment of her pressions activities to take place and hence causing humidity in the atmosphere leading to devilopment of her pressions of humidity in the atmosphere leading to devilopment of her pressions in Nithria. Also some howard or Afrifical factors have less the coop for wing, off palm in poficially, such less the coop for wing, off palm in poficially, such		
Apiera of conductive temperature. Temperature I hould at levit be from 31° centigade (21°c) to 25°c entigate for easy gooth; and the temperature of Nigetia supposition. Nigetia is found in Equatorial assugte usor the equator and hence must at the times temperature is worm and hence leading to development of oil palm forming in Nigetia. Possero of feetile and well dained this Nigetia is blossed to have well dained and this his feetility which suppose point tress feetile this is a routh of good chimpte with beavy aintall that add unditure in the fill and also some about have expressed voicance out little for their rais examps of about with feetile this found in Industry rais examps of about with feetile this found in Industry them dity in the atmospher. Amous like Odo and Abia have large forests which suppose evapo transpiration activities to take place and hence causing humidity in the atmospher leading to devilopment of palm troe forming. Palm troes usually require modithal and hence preserve of humicatry in the sky courses troe case forming in Nithia. Also some human or Aprificial factors have lest the coop forming, oil palm in population, such		
I hould at levit be from 31° centigade (21°C) to 25°C entigate for easy gooth; and the temperature of Marka supportition. Nighta is found in Equatoral assugte near the equator and hence wast of the times temperature is wound and hence leading to development of oil palm forming in Nighta. Prience of feetile and well davined this Nighta is blossed to have well davined and this first first in partity which support palm trees feetile file is a result of good country with nearly aintall that add undither in the fill and also some about home expressed voscours activities were textile raise. Example of about with feetile this found in southour post of Nighta such as Adamawa and in laboland when land is feetile Ittan Itumidity in the atmosphere leading to devilopment if also land who have large forests which support evapotanspirition activities to take place and herce causing humidity in the atmosphere leading to devilopment of palm troe forwing. Palm troes usually require maintain and herce prisence of humadaty in the itm is course troe coop forward in Nighta. Also some human or Assistical factors have led the coop forming, oil palm in passaulos, such		
entigrise for easy growth; and the temperature of Nigeria supportition. Nigeria is found in Equatorial of under use of the equator and hence wout of the times temperature is work and hence leading to development of oil palm forming in Nigeria. Prosence of feefile and well drained tril. Nigeria is blossed to have well drained and tril rich in feefility worch support palm trees feefile file is a result of two till and also some anos have expressed voice of white were terrise rich. Example of anos with feefile tril found in southern part of Nigeria such as Adomnous and in laboland when land is feefile. Ittigh Itumidity in the atmosphere have and hence counting humidity in the atmosphere backing to devilopment of palm tree forming. Palm trees usually require unfitting and here prosence of humidity in the sty (course tree coop forming in Nigeria. Also some human or Afrificial factors have led tree coop forming, oil palm in paticular, such		should at least be from 21° centigade (21°c) to 25°c
Mighta suppositions. Nigeria is found in Equatorial abungto weat the equator and horse wast of the times temperature is work and horse wast of the times of oil palm forming in Nigeria. Possence of feetile and well drained this Nigeria is blossed to have well drained and this rich in feetility which suppost palm trees. Feetile this is a rout of the tief! and also some and have expressed uncourse attivition were expressed uncourse attivition were profit this feetile this found in intuition pools of Niseria such as Adamawa and in intuition pools of Niseria such as Adamawa and in lobe land when land is feetile Itigh Itumidity in the atmosphere hade and hence causing humidity in the atmosphere beading to devilopment of palm tree forming. Palm tree usually require motition and herce prosence of humidity in the study waster tree cop forming in Nithis. Also some human or Afrificial factors have led three cop forming, all palm in posticular, such		entigrate for easy a moth; and the temperature of
temperature is worns and hence heading to development temperature is worns and hence heading to development of oil palm forming in Nigeria. Prience of feerile and well drained this highia is blossed to have well drained and this rich in feerility which support palm trees. Feerile this is a result of good coincide support palm trees. Feerile this is a result of good coincide support palm trees. Feerile this is a result of the tree and also some anos have expressed uncertic activities were there is a think of such as Adamana and in light and where land is feerile Itight themidity in the atmosphere leading to devilopment of palm tree forming. Palm trees usually require unfitting and here prierce of human or their field factors have coop forming in Withing. Also some human or their field factors have led tree coop forming, oil palm in patricular, such		Marka support this Nigeria is found in Equatorial
temperature is wound and hence leading to development of oil palm forming in Nigeria. Prierro of ferfile and well drained tril. Nigeria is blossed to have well drained and tril rich in ferfility which support palm trees. Fraile trils is a result of good country with heavy rinfall that add undisture in the tril and also some areas have expressed uncertic activities here typhic trils. Example of areas with ferfile tril found in labo land when land is ferfile. Itigh I thuridity in the atmosphere have and hence causing humidity in the atmosphere leading to development of palm tree forming. Palm trees usually require undistrute and here prierre of human or this field factors have led tree coop forming, oil palm in patricular, such		directe near the equator and hence most of the times
Priving of Ferrile and Well drained this Highly librated to have well drained and this highly course the fire this is a result of good chart in the leavy rintal that add undisture in the fire the fire this fire out it is the fire undistributed and also some anas have expressed vacanic activities were there are supported and in labo land when land is ferrile It and also some and the expressed vacanic activities were laborated and in labo land when land is ferrile It and the land of the fire atmosphere. Arras Is a Dodo and Abra have large forests which support evaportanspirition activities to take place and hence causing humanity in the atmosphere which support evaportanspirition activities to take place and hence can have passed in the fall the passed in the followers of fall the properties and hence can have provided in the atmosphere which support and hence can have provided in the atmosphere which support the fall of the place and hence can have provided in the atmosphere which support and hence can have provided in the atmosphere is the fall of the atmosphere to the place and hence can have provided in the atmosphere is the place and hence can have provided in the atmosphere is the place and hence can have provided in the atmosphere is the place and hence can have provided in the atmosphere is a factor of the place and hence can have provided in the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and hence can have a factor of the place and have a factor of the place and have a factor of the place and have a factor of the p		temporatur is work and hence leading to development
Priero of ferfile and well drained tril. Highia is blossed to have well drained and this rich in ferfility which support palm trees. Frofile trils is a result of good countre with heavy rintall that add undisture in the fill and also some onas have expressed vocavic activities here there is example of amos with ferfile tril found in Isothern part of Nispra such as Adamawa and in Isothern part of Nispra such as Adamawa and in Isothern spirition activities to take place and hence causing humidity in the atmosphere heaving to devilopment of palm tree failing. Palm tree usually require wonthing and here preserve of humidity in the street usually require wonthing and here preserve of humidity in the street usually require wonthing and here preserve of humidity in the street usually require wonthing and here preserve of human or prificial factors have		of oil palm forming in Nigeria
Is blossed to have well drûned and the fich in felfility which inflored palm tres. Ferfile this is a result of good country with heavy rintal that add unditure in the felf many period and also some anas have expressed unditure activities were there are not then the series in the Dao and Abra have large forests which support evaportanspirition activities to take place and here causing humidity in the atmospher leading to devilopment of palm tree facing. Palm tree usually require undither and here province of humidity in the state place and here can be province of humidity in the state place and here can be province of humidity in the state place and here and here province of humidity in the state place and here cop facing in himself in the state place and here and here province of humidity in the state place and here are province of humidity in the state place and here and here province of humidity in the state place and here and here province of humidity in the state place and here are facing to device the and here are province of humidity in the state place and here are provinced to the state place and here are provinced to the state place and here are stated to the state place and here are stated to the stated to		busines at tells and mini quived tyll. Highly
country with meany pinfall that add unditure in the foil and also some ones have expressed uncount atthem in southern pass of Nisepa such as Adamawa and in labo land when land is featile Itizh Itumidity in the atmosphere. Areas like Odo and Abra have large forests which support evapotranspirition activities to take place and herce causing humidity in the atmosphere leading to devilopment of salm tree forming. Palm trees usually require undither and here preserve of humidity in the sty courses tree coop forming in Nithing. Also some human or Aprificial factors have led tree coop forming, oil palm in patricular, such		Is blessed to have well drunged and the rich in fragity
chingte with heavy sinfall that add unditur in the fill and also some anos have expressed uncarric activities here there expressed uncarric activities here there is southern part of Nicha such as Adamawa and in labo land when land is ferfice. It is been and Abria have large forests which support evapotanspirition activities to take place and hence causing humidity in the atmospher leading to devilopment of palm tree usually require most that and here prosers athemachty in the sky courses tree cop facusing in Nithing. Also some human or Artificial factors have led tree cop facusing, oil palm in particular, such		which support palm tres, featherfile folls is a result of good
and also some anos have expressed vacanic activities were textin rules. Example of anos with feetile this found in labo land when land is feetile. Ittish I tumidity in the atmosphere. Amos like Odo and Abra have large forests which support evaportanspirition activities to take place and hence causing humidity in the atmosphere leading to development of palm tree forming. Palm trees usually require wollthin and herce prosone of human or Aprificial factors have coop forming in Witeria. Also some human or Aprificial factors have lead tree crop forming, oil palm in patricular, such		dingto with heavy sinfall that add moistur in the soil
textio exils. Example of awas with feefile this found in Southern pass of Nispha such as Adamawa and in Igbo land when land is feefile Itigh Itumidity in the atmospher have here evapotanspirition activities to take place and here causing humidity in the atmospher leading to devilopment of palm troe farming. Palm topes usually require most that and here possere of humidity in the sky courses tree crop farming in Nitria. Also some human or Afrificial factors have led the crop farming, oil palm in patricular, such		and also some amos have expressed varance activities were
Itigh I tumidity in the atmosphere. Arras Who Dodo and Abria have large forests which support evapotranspiration activities to take place and hence causing humidity in the atmosphere leading to development of palm troe facining. Palm troes usually require months and herce preserve of humidity in the sky courses troe crop facing in Withing. Also some human or Afrificial factors have led tree crop facining, oil palm in patricular, such		tothe Mis. Example of amos with featle the found in
Itigh Itumidity in the atmospher horas Who Dodo and Abria have large forests which support evapotanspirition activities to take place and hence causing humidity in the atmospher leading to devilopment of palm troe forming. Palm troes usually require months and herce preserve of humidity in the sky courses troe coop farming in Withing. Also some human or Aprificial factors have lod tree coop forming, oil palm in patricular, such		Southern poar of Nispig such as Adamawa and in
use Odo and Abra have large forests which support evapotanspirition activities to take place and hence causing humidaty in the atmospher leading to devilopment of palm tree forming. Palm tree usually require whithin and herce preserve of humidaty in the sky courses tree coop forming in Withing. Also some human or Afrificial factors have led tree coop forming, oil palm in patricular, such		laboland when land is fertile.
evapotranspirition activities to take place and hence counting humidaty in the atmospher leading to devilopment of palm tree devilopment of palm tree preserve of humidaty in the sky courses tree crop failing in Withing. Also some human or Afrificial factors have led the crop failing, oil palm in patricular, such		Itigh Itumidity in the atmosphers. Arras
causing humidaty in the atmospher leading to development of palm tree usually require months and here preserve of humidaty in the stry courses tree coop failing in Withing. Also some human or Africal factors have led the crop failing, oil palm in pasticular, such		like Odo and Abra have large forsts which support
ord here privile of humality in the sty course the coop facular in human or Afficial factors have led the crop facular, oil palm in patricular, such		evapotanspirtion activities to take place and hence
and here priving of humadity in the sty courses the coop failing in Withing. Also some human or Afficial factors have led the crop failing, oil palm in paficular, such		causing humidaty in the atmospher leading to development
and here priving of humadity in the sty courses the coop failing in Withing. Also some human or Afficial factors have led the crop failing, oil palm in paficular, such		of palm troe farming. Palm troes usually regulor worthing
Also some human or Afficial factors have		and here prisone of hymadety in the sty courses tree
Also some human or Afficial factors have		cop forming in nithers.
led the crop forming, off palm in patricular, such		Also some human or Afficial factors howe
		led tree crop forming, of palm in patricular, such
factor haude:		factor houde:
Aprono of crough laboran. Nigola is a		Aprona of crough laboran. Nigona is a
histly populated nation with about 100 million people		histily populated nation with about 100 million people

4	who must of them have settled in the southern parts	
	such as in 1960 land when palm trees fourning takes;	
	place. Example during the process of picking and howesting	
	alot of people such as tolabe teps and lapor elevice	
	communal labor in production her a trop crop torming	
	in Nigita.	
	Good trump of and communication Networks	
	in Nigeria. Nigeria has extensive network of roads	
	ragionals and pots through which palm 11 transported	
	from talk awar to judnity of tomis Examin alot	
	of oil palm is transported in Port Harcourt to Industry	
	towns in Ibadan and Lagor when it is man 4 factured	
	into finitud of I were development of the crop forming	
	IN NIJERS.	
	Prosence of ensural market. Alot of industries	
	In Nigeria depend on oil poin faining for raw	
	naterals. Some fettilier companies, wine industries	
	make a palm wive and also cooking of Industries found	
	In Lagor defend and buy palm of procents from former	
	were development. Also external markets from the perform	
	Gulf nations such as sypha, long and long lead to developm	
	ent of such forming.	
	Use of scientific technology. The use tractor	
	ploughs in proposing land for allterstion and gowing	
	of palm tives has food litet and development of palm tives	
	product to be in hish quantity and wish quality were	
	development of sol belon terming to Milbyd.	
	Oil palm faining and tree crop failing in	
	govern have brought tremendous superforces to Nispian	
	econous has it control employment appropriations to parmen,	
	unddiemen and marteting manager in of palm	
	fulning and also it has red development of town	
	Tolling and the state of the st	

Extract 2.4.1 Sample of a good response

Furthermore, the candidates who scored from 7 to 11.5 marks were able to understand the questions but failed to provide enough points according to the requirements of the question. For example, some candidates managed to provide an introduction, few points of physical and human requirements for

tree crops farming, with incomplete conclusion. Some of them gave incomplete introduction, managed to write the required number of points but mixed up correct and incorrect points and failed to provide a correct conclusion, while others provided an irrelevant introduction, gave points without explanations, and so ended up with unclear conclusions.

Moreover, the candidates who scored from 0 to 6.5 marks provided unclear responses due to seemingly limited knowledge of the subject matter. Some of them presented wrong points, not related to the demands of the question. Others mixed up correct and incorrect answers. Some of the candidates in this group failed completely to give correct answers as they did not understand the demand of the question. For example, one candidate explained the importance of forest as: provides habitat for small animals prevents wind erosion, facilitates rainfall, source of energy in charcoal; create income, used for manufacture paper and human needs instead of the physical and human requirements for tree crop farming.

2.2.5 Question 5: Livestock Keeping and Management

The candidates were required to explain six contributions of the marketing board and cooperative societies in Denmark towards the development of dairy farming. The total marks allocated for this question were 20.

This question attempted by 58.2% of all the candidates who were registered for this subject. The general performance in this question was good as 80% of the candidates scored 7 marks and above. Further analysis in this question shows that, 25.4% of the candidates scored from 12 to 20 marks, 49.7% scored from 7 to 11.5 marks, and 24.9% scored from 0 to 6.5 marks. Further illustration of performance in this question is summarized in figure 14.

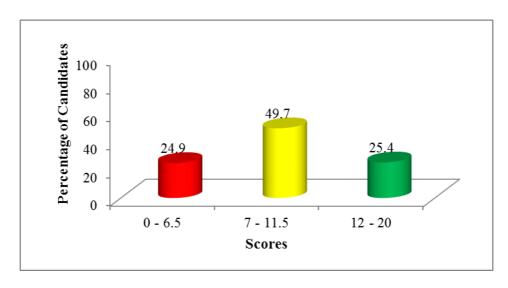
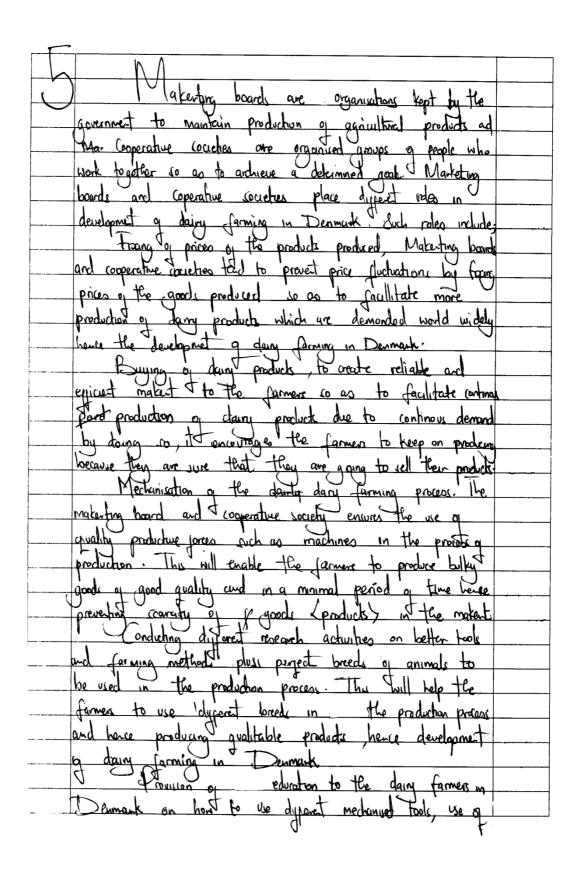
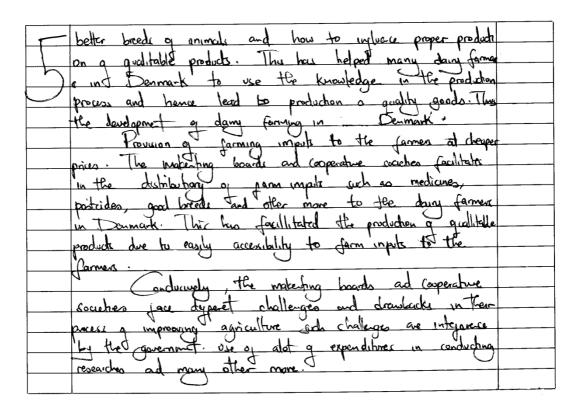


Figure 14: Trend of Candidates' Performance in Question 5

Most of the candidates who scored from 12 to 20 marks manifested an understanding of the subject matter. They presented well their points with good essay organization. They were able to give a correct introduction of dairy farming: the raising of cattle for milk, which is consumed directly or processed into cheese, butter or dried milk. They provided contributions of the marketing board and cooperative societies in Denmark towards the development of dairy farming as: looking for markets, quality control of the products, provide credits to the farmers, storing products, research services and advice to the farmers, make advertisement of the activities, provision of education and also provided a relevant conclusion.

Some of the candidates provided good introductions with incomplete explanations on some contributions of the marketing boards and cooperative societies in Denmark, and ended with relevant conclusions. Some of them were able to provide an introduction, few points on the contribution of the marketing board and cooperative societies in Denmark without relevant conclusions. Others were able to provide correct introductions, explained six contributions of the marketing board and cooperative societies with partial conclusion. Strengths and weaknesses of their points caused their marks to differ. Extract 2.5.1 represents a sample of such good responses.





Extract 2.5.1 Sample of such good response

However, the candidates who scored from 7 to 11.5 marks revealed moderate knowledge of and skills in livestock keeping and management. For example, some were able to give correct introduction of dairy farming, explained partially a few contributions of the marketing boards and cooperative societies in Denmark without relevant conclusion. Some failed to give a correct introduction of dairy farming, pointed out the contributions, but failed to explain how the marketing boards and cooperative societies contributed to the development of dairy farming in Denmark, and provided relevant conclusion. Others managed to provide an introduction, mixed up correct and incorrect answers on contributions of the marketing boards and cooperative societies in Denmark towards the development of dairy farming. The variation in their marks was due to the strengths and weaknesses of their responses.

Similarly, the candidates who scored from 0 to 6.5 marks showed little knowledge of the subject matter. For example, some of the candidates in this category managed to give a correct introduction but failed to explain in detail the contribution of the marketing boards and cooperative societies in Denmark towards the development of dairy farming, and provided

incomplete conclusion. Some of them gave a partial introduction of dairy farming, managed to explain few points but failed to show how marketing boards and cooperative societies contributed to the development of dairy farming without relevant conclusions. Others were not able to give a relevant introduction, but mixed up points and without a conclusion. For example, one candidate mixed up the contributions of marketing boards with the importance of the dairy farming in Denmark; *employment opportunity, increase in government revenue, facilitates the development of transport and communication, development of other sectors, build strong international relations* and *development of towns*.

Another candidate had this to write: maintain international relation, leads to growth of other sector like health, source of national income, improves pastoralism and external markets while another one gave the general factors as: increasing the national income, help to maintain the economy of the country, help to build good relationships with other countries, help to improve the living standard of the people and development of other sectors.

Additionally, the candidates who scored a 0 mark failed to provide relevant definition of dairy farming, did not explain six contributions of the marketing boards and cooperative societies in Denmark towards the development of dairy farming, and provided wrong conclusions. For example, one candidate wrote: *improvement of transport and communication, development of international relationship, source of income, and development of other sectors like industries and provision of experts*.

Another candidate mixed up the contributions of marketing boards with the contribution of agriculture: *it stimulates the development of transport and communication, proves employment, leads to the development of industries, stimulates the development of science and technology, improves living standard of people* and *provides foreign currency*. Extract 2.5.2 shows a response that failed to meet the demand of the question.

5	Agrizultures Is the science of keeping animal on al
	emp cultivation, the simultanes has two types the larse scale
	1sticultures that cover the larger oreas and small scale
	resimuture type of resultures that cover small areas.
	The following
	are contribution of the marketing system boards and coopera
	tives societies in Denmark to wards the developments of
	dairy farming.
	It Stimulate the development of transport and
	transport system in donmark, this production of milk
	in donmark lead to the development's of the differents
	part that could support and house the suents supply
	the raw material for selling and which can lead
	to the development of transport and communication
	which Information could Increase the Infrastructure
	and the other supply of developments that could-
	Sipput to the support and lead to the Increase,
	indifferent part which could incleases and lead
	to the support of transport and communication system
	that will increases the social semble
	It Provides the employment's to the people and
	goneration of the Incomes in the country like denning. This will ensures the support of the provision of the
	social somes that could lead title employments opp
	ortunities that could supports other people's in differents
	parts which Increases and lead to the developments of

5 to the concration of Income which could support the	
development of swemments revenues which could be	
engad in other equal to support the developments	
other properties and which could Incheases and	
ensures to support from the abroad and which could	
Increases the raw material and other support is the	
country like denmark through production of milk	
It lead to the development's of Industries and	
other economies sector like tourism, Mining activi	
Has and fishing activities, this will lead to the availability	
that could support the developments that could support	
the developments like the production the formation and the	
production of beefs and milk for developments of the	
Industries and developments other economics sector	
that could lead to the promotion and stemulator	
the development of of differents areas that and al	
support different developments of the different economis	
activities that dendlop ealtho country like denomance	
duesto the stimulation of economies sector	
It stimulate the development of science and	
technology through development of city and towns, this	
mil lead to the different production of social service ,	
that could support could Increases the availability of	
the surial services that Include water supply	
and power tupply this ended contribute to the decades	
pment of suence, and technology the development of city and town that could lead tothe suppositions	
of poor wilization of natural that could support	
of poor wilization of natural that could support the other tendopment of the country that Involved	\neg
to the developments of at and science and learneds,	\neg
that could support the swemment revenue through -	_
provinion of different's parts.	ᅱ

5 It Improves the Living standard of the people	,
and generation of the government revenues, this lead to	
the development of peoples from low stases to que the	
stage that could support the developments and Increase. The	
Social services which could support and lead to the product	
and other economic and that could supput and ensures	
the developments of the country and other parts in diffe	بدع
11th which could increase and support and which suppu	
and Involve the Improvement of the living Standard of	
the people and generation of the governments revenue the	ان
will increase development's of the country like denmark	
It provide the Foreign eurrency and the	
Internation at relation ship between the country that in	
ensures the provision of social services like health can	1 1
and education system, the dainly farming has contribute a	X
the developments of developt and which will	
land to Increase the terretopment of Internation	ما ا
relation ship between the country and that will promote	را
The manesoment of water supply transport and communi	zofi
on systems that could support the other Material in	
different ponts which could support and enruses the	
differents social somes and that could suppor	4
and Maintain political stability-	
Generally, Dairly Formins has contributed	p
in the development's of the country that could sup	pert
the provision of education and Improves the	٠
Lingue standard of the people which could he	Q a .
ses the social services likes water supply on	2
education and health which could support	18
and make the society to support and develops	4
in different parts that could support differe	nrs .
Social senies like health case.	

Extract 2.5.2 shows a poor response

In extract 2.5.2 the candidate explained the importance of dairy farming instead of the contributions of marketing boards, and cooperative societies towards dairy farming in Denmark.

2.2.6 Question 6: Sustainable Use of Forestry

The candidates were required to explain why timber harnessing is easier in temperate countries than in humid regions by giving six points. The total marks allocated for this question were 20.

This question was among the highly skipped by the candidates. It was attempted by only 14.5% of the all candidates who were registered for this subject. The general performance in this question was poor since only 26.1% of all the candidates who attempted it, scored 7 marks and above. Data analysis in this question shows that a majority of the candidates (73.9%) who answered this question scored from 0 to 6.5 marks, 20.5% scored from 7 to 11.5 marks and only 5.6% scored from 12 to 20 marks. Figure 15 illustrates performance in this question.

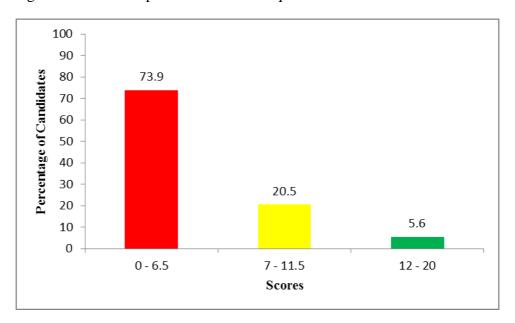


Figure 15: Trend of Candidates' Performance on Question 6

The few candidates who scored from 12 to 20 marks showed a clear understanding of the concept of sustainable use of forestry especially on the concept of timber production. For example, most of the candidates in this category were able to provide a relevant introduction on timber harnessing in temperate countries as follows: *Timber harvesting refers to the extraction of timber from the forest resources* and *temperate countries are those counties with temperate forests like coniferous*. They explained why timber harvesting is easier in temperate countries than in humid regions by giving six points such as: *good stands of timber of a single species across*

the area, steady demand for timber, the use of mechanical extraction of timber, easy transport, practices of sound forest programs access to market and managed to provide a relevant conclusion.

However, some of the candidates in this group provided a partial introduction, explained few points with good reasons on why timber harnessing is easier in temperate countries than in humid regions, and provided a relevant conclusion. Some were able to provide a correct introduction, few reasons of timber harnessing in temperate countries, and incomplete conclusion while, others were able to provide partial introduction, gave reasons for timber harnessing with a conclusion. Strengths and weaknesses of their points made their marks to vary. Extract 2.6.1 illustrates a sample of a candidate who performed well in this question.

a) Timber reject at the wood derived from parents
ar troos. Tumber industries all over the world are used
for construction purposes, making jurniture and stimulates the
growth a ship-building industries. countries producing
timber in & the Temperate gones are such as: - carada,
in British columbia, The United states, and the United king-
dom while countries producing timber in the tropical or
hunid regions are such as: Amazonia, Brazil, Sudan and
Gabon. Tree species a both hourdwood and septemoods are
hamely took, abony, mahagany, inonwand, firs, spice and
pinos. Timber harnessing is easier in temporate countries
than humid regions bornuse of the following reasons:-
(temperate arous are favourable for himon immessing due
(cial
(Advanced) technology: In most itemperate areas
such as the conferous botts in British columbia, the
technology they use is advanced Timber is nechanised
through the use a modern machinery such as chain saws

<u>6)</u>	and large trucks that enable them to easily harness
	the timber in these regions. Unlike the humid regions
	where the most countries are still developing and
	hence their level a technology is not a advanced to allo
	wasy harnessing a stamber in their regions.
	Presence a good Inmastructures such as roods
	and railrouge that permit easy transportation a goods
	timber from the areas of production to where it is
	required (manuacturing industries) swittly in temperate
	timber from the areas of production to where it is required (manyacturing industries) swiftly in temperate regions. For instance the central National railway
	that runs in canada from the forest regions to howrs
	in the country and out of the states. The ingrastructure
	in humid notions such as sudan and Gabon is poor
	byhoms most to himhor hownossim arms and too moments.
	and inaccessible.
	'Nature a forests and smibution a forest species
	in the temperate regions in the temperate regions,
	and indirecessible: Noture of forests and stribution of forest species in the temperate regions the temperate regions, the tree species such as the pines and douglas the in
	canada and other areas appear in stands and aren't
	scattered everywhere like in humid regions. cince
	they all appear hypother in stands, it is only to jull them
	lustra modern maghinar. On the other mind the trop.
	species in humid regions are scattered and hence it is
	difficult to use machinery in harvesting them.
	are commercially valuable and are a higher quality due
	are commorcially valuable and are a higherquality due
	to suitable climatic conditions. The harnessing is easier
	since the species that temperate regions possess are highly
	domanded worldwide as well as internally in those regions.
	Hence the producers of timber are encouraged to
	produce more they recieve much from its extraction. Those species are such as a daudlas like largely produced
	lon. Thoso species are such as a daudlas like largely produced

A	
6 in the canada as well as spruce and più	neo and oaks.
humid areas posses hardworld species that a	ve quite
bulky and difficult to fell. They are also	not commercia
bulky and difficult to fell. They are also by valuable at the temperater's	
Capital outlay for timber industry	:- Ccapital
availability). In temperate areas are to	the increasing
accluence and good economic stability, they a	re able to
invest in the timber industry. The capital	is used to
inance the purchase a machinery payr	nent a labour
and other processing jacilities required in ha	mesing timb-
or the humble regions are still developing ,	eountries at
most and hence don't have capital to invo	st. This is
the case for taman's harmon	
Bulkiness a the tree species in t	enoiper binua
the case for tangania, heaviness Bulkiness, of the tree species in to makes it difficult to harness them. Most of	these tree
species are very heavy hardwoods like inor	wood and took
which have to be treated first by ringbon	deing a voor
before, just so they may be julled or home	si of 15022
also difficult to transport them using navigable	e much nearby
linco thou are too hooky and thus cannot the	at the temport
ate regions have softwoods mostly which o	ine life light
aft oner at again no bottony ulino bro	w are
required hence it is easier for temperate	at enaicon
parners timber compared to humid aveas.	
conclusively: The timber industry	in humid
areas may be improved by improving natrastr	ruchare a
establishing universities and colleges to male	people as
Mell as poverment support is very essent	α , α
0 (1	

Extract 2.6.1 Sample of a good response

Moreover, the candidates who scored from 7 to 11.5 marks show moderate understanding of the concept of timber production. Some of the candidates were able to give a correct introduction of both timber harnessing and temperate countries, explained incompletely the reasons for timber harnessing being easy in temperate countries, and provided a conclusion. Some managed to provide a definition of timber harnessing only, explained few reasons for timber harnessing in temperate countries, but without a relevant conclusion. Others managed to provide partial introduction, a few reasons with partial explanation of timber harnessing in temperate countries and gave relevant conclusion. Variation in marks was influenced by the strength of their responses.

On the contrary, most of the candidates who scored from 0 to 6.5 marks showed limited knowledge of timber production in the temperate countries, as a result they responded incompletely to the question. They provided few relevant points, and without a conclusion. Some of the candidates provided a partial introduction, failed to give reasons for timber harnessing in temperate countries, and with incomplete conclusion. For example one candidate wrote: availability of water in the temperate forest region, good climatic condition in the temperate forest, good soil in the temperate region, inadequate pest and diseases in temperate region, topographical factors and biotic factors. Some failed to give an introduction, provided few reasons without any detailed explanations while, others failed to give introduction, they mixed up correct and incorrect answers without relevant conclusion. The difference in their marks was caused by the strength of their responses.

However, the candidates who scored a 0 mark lacked knowledge of and skills in timber production. Many candidates in this category provided an incorrect introduction of timber harnessing in temperate countries, and also failed to give reasons for timber harnessing, and provided irrelevant conclusions. For example, one candidate explained the factors for the growth of plants or forests in temperate regions. He/she wrote: *presence of good soil, availability of good species, presence of moderate climate, good geographical relief, presence of river catchment area* and *plenty of labours* instead of reasons on why timber harnessing is easy in temperate countries than in humid regions. Extract 2.6.2 is a sample of such poor response.

6.	Timber refers to the Cumberty
	activities telluly place. It is the action
	of cutting down the species for trade
	or economic purposes, temperate bounties
	are those countries found in mapical
	areas, while humid regions are found
	In only dreap, limber harnessing is
	much more only in the temperate countries
	compared to humid regions,
	Presence of good free species;
	Annarently to temporate countries, there is
	the presence of or good tree speaks both
	softwood and herdwood , and mostly
	the presence of or good tree species both offwood and herdwood and mostly its the hardwood that is much needed
	in the market for intende in Greybon
	there is the presence of mee species such
	there is the presence of me species such es Mahayang per, abounce and even in
	Judoun.
	Availability of labour. In the
	temperate munities such au Gathon, langual
	a trave is the presence of much labour
	or there is the presence of much laboure
	the femperato countries there is the

Co anadal Mahardana da Carla Asaa ada	
6. availability of enough had for workers.	
There tore harnesting in temperate countries is better than humid nogrous.	<u> </u>
to better than rumid horions.	
to good climate; apparently	
timber harnessing it much concentrated	
in the temperate countries due to	
Grand Climate: Apparently timber hamossing it much concentrated In the temperate countries due to the presence of good climate that good soil fertility, presence of enough	
good soil ferhuly, presence of enough	
raynfall they they shoulate occurre	
of timber activities. Example in Gabon	
and East African countries timber	
hurnessing how been well conducted	
compared to the humid regions.	
Keliable Market: 7 imbor harness	1
and soust African countries finber hurnessing how been well conducted compared to the humber regions. Reliable Market, Timber harness ing is much exploited in temperate auntries due to the presence of reliable market, In the temperate countries such as Tanzania and Gaban the market both down which and ordernadional is very	
auntres due to the presence of reliable	
market, in the temperate countries such	
a laneanyly and Gaban the market	
reliable they bringing great expansion	
reliable they bringing great expansion in the himden ladering. Hence this ber hourse	2
shy in temperate earning.	
Good hansport and communi	1
Outron; In the temportate countries good	
hearsport facilities have contributed to the	
practische of himber harnessing due to	
presence of good road to retoporter in	
the himber areas. For intence in Gabon and	
sudan there is the overonce at rend	
rudan there is the presence of good hansport and communication thus it induces	
ouch altivities to take place.	
	

6.	hastly. There is the presence of
	conducive environment. In the temperate country
	there is the presence of good environment of for human settlement who would
	of for human settlement who would
	be abappropriate for the pinurisian of labour
	For Instance Grapon is bosered almost
-	the whole country with horest though
	it has concludice environment for its
	people.
	Therefore, limber harnessing in
	the temperate countries is well established
	because in the humid ragions there is
	the overence of obstader such as danger
	us einamails, also lack of conducine climate and inadequate true species. Here
	climate and inadequate tree species. Here
	limber including should be ensured in
	the femperate countries.
	,

Extract 2.6.2 represents a sample of incorrect answers

2.2.7 Question 7: Environmental Friendly Tourism

The question required the candidates to examine six factors that hinder the development of the tourism industry in Tanzania. The total marks allocated for this question were 20.

This question was among the most attempted one as it was answered by 99.5% of all the candidates who registered for this subject. The general performance in this question was good since 92.7% of the candidates scored 7 marks and above. An analysis of performance on this question shows that 44.3% of the candidates scored from 12 to 20 marks, 48.4% scored from 7 to 11.5 marks, and 7.3% scored from 0 to 6.5 marks. Figure 16 illustrates this performance.

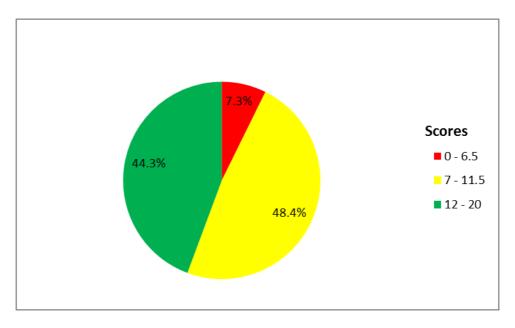


Figure 16: The Trend of the Candidates' Performance on Question 7

The candidates who scored from 12 to 20 marks were able to transfer the knowledge of the subject matter. The ideas were well aligned to the demands of the question. For example, some of the candidates were able to give a correct introduction of the tourism industry as the process of facilitating the movement of people for leisure, education, business, involving hotels and accommodation management and travelling package.

They were able to examine six factors that hinder the development of the tourism industry in Tanzania, with a high level of critical analysis, including different points of view which were relevant such:

Presence of high population growth, inadequate capital, lack of proper managerial skills, limited identification and advertisement, poor accommodation and transport, social unrest/deviant behavior, decrease of valuable animals, lack of awareness among the local people, weak implementation of government policies, limited focus to other tourist attractions and competition from other sectors.

Also, they ended up with a relevant conclusion. Some of them were able to provide a relevant introduction, explained six factors that hinder the development of the tourism industry in Tanzania, but failed to give a relevant conclusion. Some gave incomplete introduction, explained clearly the factors that hinder the development of the tourism industry in Tanzania but without giving a conclusion. Others managed to define the tourism

industry in the introduction, explained in detail few factors that hinder the development of the tourism industry in Tanzania, and provided a relevant conclusion. The strengths and weakness of the candidate's responses led to the variation in scores from 12 to 20 marks. Extract 2.7.1 is a sample of such a good responses.

7. Tourism is the movement of people from	
7. Tourism is the movement of people from one place to another for studies or for lei'sure and other purposes. Tourism industry in Tanzania is parouned by factors like Availability of honeypots, whilike Mt Kilimangaro, Ngorongoro croter, Genengoti National park, Selous Ganne,	
purposes. Tourism industry in Tanzania is raining by	
jactors like Availability of honoupots, whilike Mt Kilima-	
Maro, Ngorongoro croter, Generacti National Park, Selous Game-	
reserve and so jorth. Despite all These, there are justors	
reserve and so jorth. Despite all These, there are justices that hinder the development of tourism industry in Tanz-	
ania. These jactors are; Poor policy on tourism; Tanzania has poor policy on tourism that hinders the development	
Poor policy on tourism; langania has	
poor policy on toirism that hinders the development	
of the industry in the country lince it doesn't conduct	\dashv
campaigns on tourism, it has not advertised Tanzania's	_
tourism in other countries making it unpopular hence	\dashv
leading to underdevelopment of the sector. Lack of skilled personnel; tourism industry	\dashv
Lack of shilled personnel; tourism undustry	\dashv
is underdeveloped due to insufficient skilled Jabourers who eould work in hotels and the tour guides in the -	\dashv
could work in holes and the tour guides in the	\dashv
tourism agency, and thus making the visitors peol-	\dashv
welcomed but instead the tour guides are untrained	\dashv
and so they sail to communicate with the visitors	\dashv
hence hindering development of the sector. Poor infrastructure; tourism industry develo-	\dashv
property in hisdright and increasing authors and of the	_
proport is hindered by poor ingrastructural ruteres which	
includes poor roads, airway systems also waternays which makes the visitors lack or lose interest with	┨
that munify in common at the Tourist like Transling	٦
in compartable vehicles and transport systems and thus due to paper infrastructure the sector is not developed	٦
thus due to poor intrastructure the scotor is not developed	
Shortage of winds language is a poor country	
and so there's a problem of shortage of funds which may have been useful in improving the tourist sites and	
have been useful in improving the tourist cites and	
the accommodations inorder to make them more comporta-	

7. ble for the tourist to dwell in. This problem leads
to etagnation in development of tourism industry in Tanzania.
Prevailing illegal activities; tourism industry-
in Tanzania is highly hindered from development by-
occurrence of illegal activities such as boaching which
lead to the loss of animals (wild life animals) which
are previous to the country especially. The Big five-
animals namely tion, Elephant, Rhino cerous, Bujallo and
wilderage . The is andone in the age at the Rhine
Wildeseart. This is prident in the case of the Rhino that was killed due to its precious horns it was
named "Faru John".
Compatition was naighborring countries tour
Competition from neighbouring countries; touri- sm industry in Tunzania is underdeveloped due to
high competition from countries like Kenya that are
more developed than Tanzania and also due to the
god that they claim that net. Wilimanjaco is their
mountain and so advertise it worldwide making
Tanzania lose masket in the tourism industry for being
the country with the highest mountain in Amica.
Conclusively, tourism industry in Tanzania
can be doveloped by involving local people in maintain-
ing the tourist attraction, promusion of oxfortraining
to the workers, seeking foreign assistance or aids and
strengthowing of the policies by enacting strict purish-
ments to the ones caught doing illegal activities
in the tourist areas/20 mes.

Extract 2.7.1 indicates a sample of such a good response

However, the candidates who scored from 7 to 11.5 marks showed moderate understanding of the concept of environmental friendly tourism especially on factors that hinder the development of the tourism industry in Tanzania. Some of the candidates in this category provided an introduction of the tourism industry, examined incompletely six factors that hinder the development of the tourism industry in Tanzania, without concrete examples but provided relevant conclusion. Some of them managed to give an introduction of tourism industry, examined few factors that hinder the

development of tourism industry in Tanzania and provided incomplete conclusion. Others provided a partial introduction, and examined incompletely the factors that hinder the development of the tourism industry in Tanzania with concrete examples without a relevant conclusion.

Moreover, the candidates who scored from 0 to 6.5 failed to transfer their knowledge of the subject matter. This led them to score low marks. For example, one candidate provided a relevant introduction, but with incorrect points and relevant conclusion. He/she wrote the factors for the development of the tourism industry instead of the factors which hinder the development of tourism: availability of good transport and communication, good climatic, technology, good government support, availability of political stability, attractive landscape, availability of social services, social and political stability and good government policy.

Additionally, some candidates in this category failed to meet the demands of the question. Their explanations were both not clear or lacked depth and scope of coverage. These candidates did not seem to understand the question which was specific on the development of the tourism industry. As such, they provided an incorrect introduction of the tourism industry, failed to explain the factors that hinder the development of the tourism industry in Tanzania, and provided an irrelevant conclusion. Extract 2.7.2 is an example of a poorly written response.

7. lourism: refers to the movement of people
from one place to another place for business, education
and for tour. Tanzania is the most of the nation
in Africa which develope much in townst activities and
this is due to the presence of more towist areas
Such as Sevengeti, Mirumi manyona and others -
aireas Such as the mount tilimangare which attract
bound to visit Tanzania. Know the following are the
factors that hinder the development of tourist industry
in Tanzania as follows.
Political stability. This is the among of thre-
factor which hinder the development of townst industry
in Tanzania. Presence of good and stable political
System in Transania influence much to the growth
of fouring in Tanzania and this is due to three
Presence of peace and security in the naturn
So through that influence yuch to the vise of
terurity in Tanzania.
Transport and Communication; also the
transport and Communication such as roads railway line
naturous system and air part influence much to the
growth of terurism in Tanzania. This is due to the
Simplification of transportation from one area to -
another area to visit different becreation centres
Se through that led to the development of tourism
In Tanzania.
Presence of recreation contres, also the -
availability of good and with high quality of different
recuestion Centres influenced much to the greatly
of the trumst in Tanzania suc for example
of viculation contres are time Agenerageno, Manyeng
Mikuni and Sevengeti which attract the townst.
, , , , , , , , , , , , , , , , , , , ,

7.	Availability of good social services not only
	that also the presence of good Sozial Services Endy
	Availability of good Social Services: not only that also the presence of good Social Services such as hospitals food and shallow influenced much
	to the development of townsm industry in Tanzania
	So through that development of fourism occurred
	In Tahzania.
	Climatic Condition; the presence of good
	climate in Tanzania deso influenced much to
	the development of forwism in Tanzania. The
	Duesence of good and Condusive climate in Tenravia
	eithouted different people from different notion to
	Visit in Tanzania.
	Availability of enough Capital to invest " in addition
	to that also the caractability of enough capital or
	money to invest much in touring activities has
	Con Kilouted much to the growth of Tanzania
	tenning and this act also as the sources of
	Tracome to the nation which help to improve
	the Social Services Such , Schools, lespitals
	and transport and Communication.
	Generally; the tourism in Toursaniz as -
	Conhibited much by the growth of economy of the
	Instan on I this is due to the Jovergn Currency
	their got from the tourst used to invest much
	to other Sector Such as Agriculture Industries
	tunk also transport and Communication.

Extract 2.7.2 is an example of poor responses

In extract 2.7.2 the candidate provided relevant introduction but explained factors that favour the development of the tourism industry in Tanzania, instead of factors that hinder development of the tourism industry in Tanzania.

2.2.8 Question 8: Sustainable Fishing

This question required candidates to analyse six strategies of fish conservation practised in the world. The total marks allocated for this question were 20.

The question was attempted by 65.9% of all the candidates. The general performance in this question was good because 85.3% of the candidates who attempted this question scored 7 marks and above. Data analysis in this question shows that 45.6% of the candidates who answered it scored from 12 to 20 marks, 39.7% scored from 7 to 11.5 marks, and 14.7% scored from 0 to 6.5 marks. Figure 17 illustrates the performance on this question.

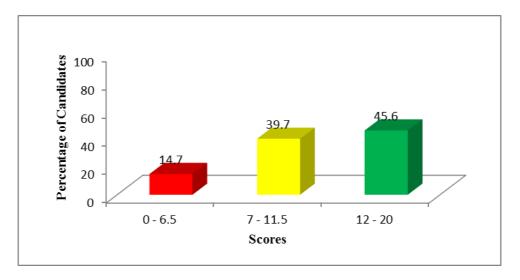


Figure 17: Trend of the Candidates' Performance in Question 8

The candidates who scored from 12 to 20 marks showed an understanding of the concept of sustainable fishing, especially on the strategies of fish conservation measures in the world. For example, some candidates were able to give correct introduction as fisheries and fishing grounds have been declining in the world due to overfishing, water pollution by chemicals from plants and factories. They provided six strategies of fish conservation measures practised in the world as follows: restocking of overfished water, forbidding indiscriminate fishing, artificial fertilization of eggs, protection from pollution, international agreement on fisheries boundaries, researches in the world fisheries, licensing fishermen so as to control their number and they provided relevant conclusion.

The other candidates in this group provided a partial introduction, analyzed six strategies for fish conservation measures incompletely and ended up

with a relevant conclusion. The strengths and weaknesses of the candidates' responses led to the variations in marks. Extract 2.8.1 is a sample of good responses.

a been dicarded, for Instance, paper fishing not	
O alo like transling stiening and Dighty he end	۵
ward to be used by the Juhamen for the rai	
purpose of maintaining for resource whose	
bed and Megal fitting methods which are n	
bitly used in Africe like using of poison and of	ι
ramites had been discouraged as they replanted	
Soffing of Fishing Doundance; Thus I'v	
Sent of Tioning Doundaries / May 1	
other recourse for fire conservation resours in	
which different retion in the world excepted	4
in fishing has set times for fishing so a to	
concernite for opecies. For Toutance, In Que	<u> </u>
The and Japan, these retions has not for occe	-
other boundaries of fishing in which to a cor	
Item extend out is allowed his man	
maintain he amount of for species available Using of Arthroial Eggs Festivation on; In the world, deferent countries has	2
Using of Artificial Eggs Featlisati	
on in the world, different countries has	
bear employing the strategy is as converat	
Ion of fah rooms is taking place in where the	,
e has been wing at affinal ery or finispeci	
e he see wing of afficial equipment of the Internation The In	
dance the art first eggs are by bridgized and	
be made to multiply romating which increase	
a runder of fun speas as they are later	
an returned to he restallation. This it stoom	
on returned to the nocterbodies. This it isters	
notion like Rubic and Tapan and it was been	
hopen the knowle and I upon and to has elect	
highy successfuly.	•
Provision of Education to the Mac	
In order to conserve freh resources in the wo	0

a rid, defferent nation how been providing education to
O' the people or various ways through which they
can protect the waterbodies and enrure rafety
of the fit species. For Intona; The people are
hoon objected about to in protection for each
ethodies doan and awiding potular theh as by
ansking polling of of which high after to about
to a fide they steaded has been successfully
ethodies dean and awiding pollular such as by avoiding polling of all which highly affects the grown has been recessfully affect war in promoting fish conservation.
Enacting of Ant Laws on Furhing, Dy
ferent nations have been enoughing very strict laws
as at fishing which are accompanied by heavy p
unihnente to the people violety the law o are
of the strategy for fish conservation for Turtang
And law a he polita of water sodies have
boen put not acron but also law concerning il
egal filing nethods a taking place in count
no like Tanzania and Rawie All This has been
done for the purpose of comerning fish neonico
Conclusively: Fish Conservation (V
very important, is those fish resources are very
wight for the economic development of the
rations so they fault ate development of oil
Industria accommunation of preject consecuent
but also promotion of trade among different
iongis.
L., I.,

Extract 2.8.1 sample of good response

Furthermore, the candidates who scored from 7 to 11.5 marks showed a moderate understanding of the concept of sustainable fishing, especially on fisheries and fishing ground. However, they were not able to score above 11.5 marks due to lack of good coverage of the sub-topic, and generalized responses.

Moreover, the candidates who scored from 0 to 6.5 marks did not show competence in the concept of sustainable fishing especially, on fisheries and fishing grounds. Many of the candidates lacked knowledge on how to

conserve fishing grounds, instead they focused on how to preserve fisheries as a result they failed to score high marks. For example, some of the candidates were able to provide a correct introduction but failed to analyze six strategies for fish conservation measures practiced in the world because they mixed up fishing preservation with fishing conservation by writing: through smoking, use of refrigerators, burning, freezing, salting, drying, roasting and canning.

On the other hand, some of the candidates in this category provided an irrelevant introduction of fisheries and fishing ground, irrelevant strategies for fish conservation measures practised in the world by writing: *ignorance of fish monger, low support of a government, water pollution and bad way of fishing* and he/she ended up with irrelevant conclusion. Another candidate explained the contribution of fish conservation, instead of strategies for fish conservation as he/she wrote: *employment opportunity, improvement of social services, encouragement of H.E.P station, establishment of trading activities, stimulates other sector and lead to enough source of food.* Extract 2.8.2 is a sample of such poor response.

8.	Fish conservation eyers to the process used
	in tech preservation from being percelaple. Also as known
	auch is perishable product so it should prozerved well so as
	the can stave long. Those are many inclustre contrass which
	Those are argaged on ticking order to loke Rescia, Norway
	Japan and other many contras.
	The following are the strationes for rish
	concervation magavies practical on the coortel as follows?
	Smoking: Thus is whereby the forewood
	smooth is used to presence ticks, in which were and the
	sproke which is provided from The wood feel as deretty to
	to the he just hence became drived and stay for a long
	time. For example a countries which use Three motheds is
	China and come ports in Tanzania loke moshi, they are
	practicial than method.

8.	Satting and drying; Voing of too much
	salt and divina the tich on the son reamons the
	salt and drying the fish on the son regmones the method social to concern fish like Japan the also see this
	method but an emall quantity, so the good as well droud and vering calt on just so that at can not percent.
	noing calt on righ on that not can not percent.
	Regradgiration: Those is most an
	advanced method which is used mostly in doucloped carities
	loke Chana, Japan and Rossia to proserve tech. So there is
	the long term massure which presence just you the long time
	without penching. So do to admined technology of trade
	without penships, so due to advanced technology of produce tech can stay own for a week without penchang. Also on
	Fish bitcheries rose trickes to preserve trepos.
	By wing vingar; Also that act as
	la leman ware which base the convadionits which proport
	tiches from perichang, so the applying of varager can abso preserve instact for a long time without peroshing, and also this method is each in many econtroes on the world because the method
	preserve treshor yer a long time without peroshong, and also thus
	method is occol in many countries in the world because the method
	to exact and exact to many applitudes.
	Boil or Roasting and drying; Frother can also
	be balled or reacted and they dread on the ear of too veing
	without penchang, because the method does not use much
	without perchang, because the method does not use much
	Champicals in preserving and consciuons teches, and its also
	traditionally read by many people in many coortness. Cannora: Is another strategy and to
	Cannora: 1's another strategy and to
	consense toek be seing The chemicals which can proserve
	and make a just to stay joi a long power a tome approximants
	one work and come clays and also be concilloring the
	health a peoples, the so the chemical read they are not
	much affect the health a people, so the method is also most
	except to developed executioned like Nonway, Japan and other

Extract 2.8.2 sample of such poor response

3.0 PERFORMANCE OF CANDIDATES IN EACH TOPIC

The analysis of candidates' performance in each topic shows that, candidates performed well in 12 topics out of 14 as they scored 35 marks and above. These topics were *Topographical Map Interpretation* (88.5%), *Photographs Interpretation* (94.5%), *Water Masses* (85%), *Space Dynamics* (94.7%), *Position Behaviour and Structure of the Earth* (94.9%), *The Dynamic Earth and Consequences*(95.1%), *Study of Soil* (83.9%), *Field Research Strategies* (77.2%), *Sustainable Fishing* (85.3%), *Agricultural Development* (95%), *Population and Development* (80.4%) and *Environmental Friendly Tourism* (92.7%). Further data analysis shows that in this year's examination there was no topic which had an average performance. However, there were two (2) topics in which the candidate performance was poor. These topics were *Simple Survey and Map Making* (27.3%) and *Sustainable Use of Forestry* (26.1%) as illustrated in Figure 18.

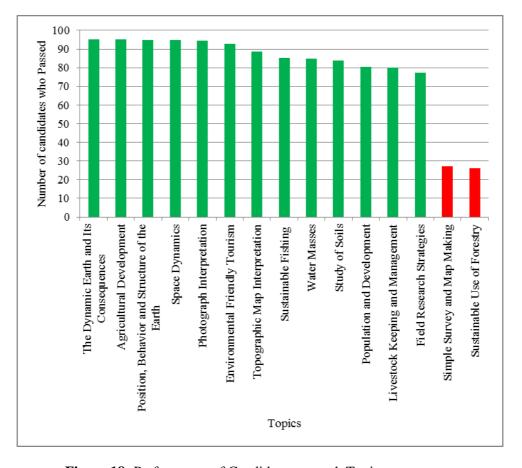


Figure 18: Performance of Candidates on each Topic

4.0 CONCLUSION AND RECOMMENDATIONS

4.1 CONCLUSION

As it has been observed in the analysis of questions, the performance in the Geography subject for Advanced Certificate of Secondary Education Examination (ACSEE) 2019 was good. The analysis shows that the candidates' good performance was caused by the ability of the candidates to identify the demands of the questions, the candidates' sufficient knowledge of the subject matter, and proficiency in the English language, as well as computation and drawing skills. On the contrary, candidates with weak performance revealed lack of these skills.

4.2 **RECOMMENDATIONS**

Basing on the observation made through the candidates' item response analysis (CIRA) report, in order to improve the performance of prospective candidates in this subject, the following recommendations are made:

- (a) Activities outside the classroom should be encouraged and promoted. In Geography, a student learns better if the teaching is supported by concrete materials that give the student first-hand knowledge and experience. For example, when teaching filed work, a trip to a riverside, factory, forest, some specimen of seeds, fruits or vegetables, rocks and minerals would facilitate concrete illustrations in Geography lesson and will improve students' performance.
- (b) Teachers should help learners to acquire the required knowledge and skills in all topics so that they can develop competencies in answering their examination questions especially on: drawing physical features, sketching maps as well as arranging their work in a proper way. For example, question 2 in Paper One, most of the candidates skipped it, and those who attempted it performed unsatisfactorily due to their inability to interpret it correctly, as the question required the candidates to have knowledge in carrying out a survey.
- (c) Classroom teaching and learning process should be endowed with practical activities. It is always believed that students learn better if the whole process is supported by concrete materials that give learners the experience and hands-on knowledge.

(d) Teachers should put more efforts in teaching the *Simple Survey and Map Making* topic whose performance is keeping on deteriorating. This topic is best taught in the field so that students will understand easily, and hence be aware of the correct uses of survey instruments.

 ${\it Appendix} \\ {\it Comparison of Candidates' Performance in Topics between Year 2018 and } \\ {\it 2019}$

			2018		2019		
S/N	Торіс	Number of questions per topic	Percentage of Candidates who scored an average of 35 percent or more	Remarks	Number of questions per topic	Percentage of Candidates who scored an average of	Remarks
1.	The Dynamic Earth and Its Consequences	1	25.3	Weak	1	95.1	Good
2.	Agricultural Development	1	91.1	Good	1	95	Good
3.	Position, Behavior and Structure of the Earth	1	67.9	Good	1	94.9	Good
4.	Space Dynamics	1	46.9	Average	1	94.7	Good
5.	Photograph Interpretation	1	93.7	Good	1	94.5	Good
6.	Environmental Friendly Tourism	1	99.1	Good	1	92.7	Good
7.	Topographic Map Interpretation	1	93.7	Good	1	88.5	Good
8.	Sustainable Fishing	1	96.7	Good	1	85.3	Good
9.	Water Masses	2	71.1	Good	1	85	Good
10.	Study of Soils				1	83.9	Good
11.	Population and Development	3	69.1	Good	3	80.4	Good
12.	Livestock Keeping and Management				1	80	Good
13.	Field Research Strategies	1	88.0	Good	1	77.2	Good

			2018		2019		
S/N	Topic	Number of questions per topic	Percentage of Candidates who scored an average of 35 percent or more	Remarks	Number of questions per topic	Percentage of Candidates who scored an average of	Remarks
14.	Simple Survey and Map				1	27.3	Weak
	Making						
15.	Sustainable Use of Forestry				1	26.1	Weak
16.	Manufacturing industries	1	97.5	Good			
17.	Sustainable Mining	1	97.5	Good			
18.	Application of statistics in Geography	1	69.0	Good			
19.	Sustainable use of fuel and power	1	97				

