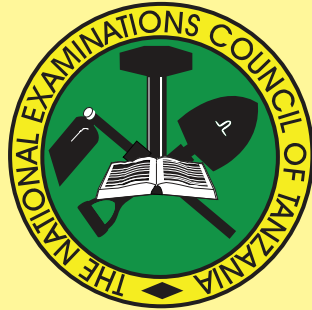


**THE NATIONAL EXAMINATIONS COUNCIL OF TANZANIA**



**ADVANCED CERTIFICATE OF SECONDARY  
EDUCATION EXAMINATION FORMATS**

**ISSUED BY  
THE NATIONAL EXAMINATIONS  
COUNCIL OF TANZANIA  
P.O. Box 2624  
DAR ES SALAAM  
TANZANIA**

**REVISED EDITION  
JULY 2019**

**THE NATIONAL EXAMINATIONS COUNCIL OF TANZANIA**



**ADVANCED CERTIFICATE OF SECONDARY  
EDUCATION EXAMINATION FORMATS**

**ISSUED BY  
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA  
P.O. BOX 2624  
DAR ES SALAAM  
TANZANIA.**

**REVISED EDITION  
JULY 2019**

*Published by*

**National Examinations Council of Tanzania,  
P.O. BOX 2624,  
Dar Es Salaam,  
Tanzania.**

**© The National Examinations Council of Tanzania 2019**

**All rights reserved.**

## TABLE OF CONTENTS

FOREWORD.....	IV
111 GENERAL STUDIES .....	1
112 HISTORY .....	3
113 GEOGRAPHY .....	7
114 DIVINITY .....	12
115 ISLAMIC KNOWLEDGE .....	17
121 KISWAHILI .....	22
122 ENGLISH LANGUAGE .....	27
123 FRENCH LANGUAGE .....	32
125 ARABIC LANGUAGE .....	36
131 PHYSICS .....	40
132 CHEMISTRY .....	45
133 BIOLOGY .....	50
134 AGRICULTURE .....	55
136 COMPUTER SCIENCE.....	61
141 BASIC APPLIED MATHEMATICS.....	66
142 ADVANCED MATHEMATICS.....	69
151 ECONOMICS.....	73
152 COMMERCE .....	78
153 ACCOUNTANCY.....	82
155 FOOD AND HUMAN NUTRITION.....	87
APPENDIX 1.....	92
APPENDIX 2.....	94
APPENDIX 3.....	95

## FOREWORD

This examination format booklet is a revised version of the format issued in 2015 by the National Examinations Council of Tanzania (NECTA). The examination format booklet has been prepared to cover all subjects taken by candidates sitting for the Advanced Certificate of Secondary Education Examinations as prescribed by *Circular Number 3 of the Ministry of Education and Vocation Training (MOEVT)*, of June 2009 (Appendix 3) and will be used with effect from 2020.

The booklet has been prepared to address the important improvements on current assessment procedures including the skills tested which focus on competence based assessment. Specifically, the improvement made in this booklet includes the reduction of the number of optional questions to most subjects so as to enable the candidates to attempt similar types of questions hence increasing both the validity and reliability of the examinations. Also, the sections in the examination papers are determined by the type of the questions rather than topics. In addition, this examination format booklet includes the reviewed mode of administering practical examinations in which *One Month Advance Instructions* has been replaced with a *checklist* for the required materials for conducting the practical examinations. The improvements made are also in line with the Tanzania Education and Training Policy of 2014 which, among other things, aims at making the country achieve middle income economy and industrial development by 2025. Therefore, the National Examinations Council of Tanzania has to redefine its assessment procedures which focus on the competence based assessment.

The examination formats for different subjects are presented in five numbered paragraphs which include introduction, general objectives, general competences, examination rubric and examination content. A table of specifications is inserted at the end of each subject's examination format. However, the number of questions in every cognitive level is not indicated in the table of specifications because they are expected to vary each year. Moreover, a sample of important key words used in assessment and verbs/phrases to be avoided has been indicated in Appendix 1 – 2.

This examination format booklet is therefore, expected to provide guidance to examination setters, moderators and officers to set fair, valid and reliable examination items. It also provides guidance to both teachers and prospective candidates on the structure of the examination papers. However, classroom teachers are strongly advised not to replace the syllabus with examination formats.

The National Examinations Council of Tanzania appreciates the efforts and contributions made by everyone who participated in the revision of these formats at various capacities.

A handwritten signature in black ink, appearing to be 'C. Msonde', written in a cursive style.

Dr. Charles E. Msonde  
**EXECUTIVE SECRETARY**



**111 GENERAL STUDIES**  
(For Both School and Private Candidates)

**1.0 INTRODUCTION**

This examination format is a revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on the General Studies Syllabus of 2009 for Advanced Level of Secondary Education. The revised format is in line with the competence based approach aiming at measuring the candidates' competences in higher order thinking skills. However, there is no change in the examination content.

**2.0 GENERAL OBJECTIVES**

The General Studies examination will assess the extent to which the candidate can:

- 2.1 communicate effectively information and ideas on socio-economic issues affecting the world today;
- 2.2 demonstrate creativity, critical thinking and rational decision making skills;
- 2.3 describe the contemporary/cross cutting issues that affect or are likely to affect society;
- 2.4 appreciate the roles and responsibilities of the candidate in the society;
- 2.5 demonstrate the spirit of patriotism and moral values;  
and
- 2.6 show skills related to independent learning and search for new knowledge.

**3.0 GENERAL COMPETENCES**

The examination will generally test the candidates' ability to:

- 3.1 communicate effectively on socio-economic issues affecting the world today;
- 3.2 analyse issues and make decisions in an ethical and mature manner;
- 3.3 deal with contemporary and cross-cutting issues affecting or likely to affect the society;
- 3.4 participate effectively in activities which help to develop and maintain a progressive and just society;
- 3.5 think critically, solve problems and be self-reliant;
- 3.6 show understanding of the process and the practice of democracy;
- 3.7 learn independently and search for new knowledge; and
- 3.8 participate actively in playing their roles and performing their responsibilities in the society.



#### 4.0 THE EXAMINATION RUBRIC

There will be one paper will last for **three (3)** hours. The paper will consist of **seven (7)** essay-type questions. Candidates will be required to answer a total of **five (5)** questions, of which question number **one (1)** will be compulsory. Each question will carry **twenty (20)** marks. Therefore, the paper will weigh **100** marks.

#### 5.0 EXAMINATION CONTENTS

The candidates will be assessed in the following topics:

- 5.1 Philosophy and religion
- 5.2 Contemporary/cross - cutting issues
- 5.3 International affairs
- 5.4 Democratic process and practices
- 5.5 Science and technology in development
- 5.6 Life skills

#### 111 General Studies Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight Per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Philosophy and religion							1	9.52
2	Contemporary/Cross cutting issues							1	20.11
3	Science and technology in development							1	16.14
4	Democratic process and practices							1	16.93
5	International affairs							2	20.9
6	Life skills							1	16.4
<b>Total Number of Questions</b>								<b>7</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## **112 HISTORY**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This examination format is a revised version of the 2015 format which was issued by the National Examinations Council of Tanzania. The contents adhere to the 2009 History Syllabus for Advanced Level of Secondary Education. The revised format emphasizes on measuring candidates' competences in higher order thinking skills. There is no change in the examination content.

### **2.0 GENERAL OBJECTIVES**

The examination will assess the extent to which candidates can:

- 2.1 interpret historical events, conditions and factors which shaped the past and the present conditions of the world in order to predict the future;
- 2.2 understand the problems experienced by African societies in the past and explain how they solved them in order to master their social and economic environment;
- 2.3 develop an understanding of the relationship between Africa's developmental problems and foreign intrusion, colonial domination, cultural subjugation and economic exploitation at various stages in history;
- 2.4 understand and appreciate the efforts made and strategies used by African people to regain their independence and resist neo-colonialism;
- 2.5 develop basic skills of critical thinking, reasoning, evaluation, judgement, empathy, communication and effective participation in developmental activities;
- 2.6 develop an understanding of the place and importance of cross-cutting issues in shaping history; and
- 2.7 be prepared for the world of work and become responsible members of the society.

### **3.0 GENERAL COMPETENCES**

The History examinations will test the candidate's ability to:

- 3.1 understand the events which shaped the history of Africa in particular and the history of the world in general;
- 3.2 understand the problems experienced by African societies in the past and demonstrate the ability to analyse the efforts made to solve them;

- 3.3 understand and objectively relate Africa's developmental problems with foreign intrusion, colonial domination, cultural subjugation and economic exploitation across time.
- 3.4 understand and appreciate the efforts made and strategies adopted by the African people to regain their independence and resist neo-colonialism;
- 3.5 show basic skills of critical thinking, reasoning, evaluations, judgement, empathy, communication and effective participation in developmental activities;
- 3.6 understand the place and importance of cross-cutting issues in shaping history; and
- 3.7 prepare himself/herself for the world of work and become responsible member of the society.

#### **4.0 THE EXAMINATION RUBRIC**

There will be **two (2)** examination papers of **three (3)** hours each. Each paper will consist of **seven (7)** essay questions, of which candidates will be required to answer **five (5)** questions in each paper. Unlike question one (1) which will be compulsory in each paper, other questions in both papers will be optional. Each question in both papers will carry **twenty (20)** marks making a total of **100** marks in each paper.

#### **5.0 EXAMINATION CONTENTS**

The candidates will be assessed in the following topics:

##### **5.1 112/1 History 1**

- 5.1.1 Pre-colonial African societies
- 5.1.2 Africa and Europe in the 15<sup>th</sup> century
- 5.1.3 People of African origin in the new world
- 5.1.4 From colonialism to the First World War (1880s-1914)
- 5.1.5 Colonial economy and social services after the Second World War
- 5.1.6 The influence of external forces and the rise of nationalism and the struggle for independence
- 5.1.7 Political and economic development in Tanzania since independence

##### **5.2 112/2 History 2**

- 5.2.1 The rise of capitalism in Europe
- 5.2.2 The rise of democracy in Europe
- 5.2.3 Imperialism and the territorial division of the world

- 5.2.4 The rise of dictatorships in Germany, Italy and Japan
- 5.2.5 The rise of socialism
- 5.2.6 Emergence of USA as a new capitalist superpower
- 5.2.7 Threats to world peace after the Second World War
- 5.2.8 Neo-colonialism and the question of underdevelopment in Third World Countries

### 112/1 History 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Pre-colonial African societies							1	17.9
2	Africa and Europe in the 15 <sup>th</sup> century							1	10.1
3	People of African origin in the new world/From colonialism to First World War (1880s-1914)							1	17.2
4	Colonial economy and social services after the 2 <sup>nd</sup> World War							2	23.1
5	The influence of external forces, the rise of nationalism and the struggle for independence							1	16.7
6	Political and economic development in Tanzania since Independence							1	15
<b>Total Number of Questions</b>								<b>7</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## 112/2 History 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weighting per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	The rise of capitalism in Europe							1	22.2
2	The rise of democracy in Europe/The rise of dictatorship in Germany, Italy and Japan							1	16.5
3	Imperialism and territorial division of the world							1	13.7
4	The rise of socialism							1	12.4
5	The emergence of USA as a new capitalist superpower							1	13.3
6	Threats to world peace after the Second World War							1	10.7
7	Neo-colonialism and the question of underdevelopment in Third World Countries							1	11.3
<b>Total number of Questions</b>								<b>7</b>	<b>100</b>
<b>Total Percentage Weight</b>									<b>100</b>

**113 GEOGRAPHY**  
(For Both School and Private Candidates)

**1.0 INTRODUCTION**

This examination format is a revised version of the 2015 format which was issued by the National Examinations Council of Tanzania. The contents adhere to the 2009 Geography Syllabus for Advanced Level of Secondary Education. The revised format emphasizes on measuring candidates' competences in higher order thinking skills. However, there is no any change made in the examination contents.

**2.0 GENERAL OBJECTIVES**

The Geography examination will assess the extent to which the candidates can:

- 2.1 acquire basic knowledge on geographical phenomena;
- 2.2 develop the ability to make a critical analysis and understanding of social, economic and geographical constraints which hinder national development and suggest ways of overcoming them;
- 2.3 acquire methods and skills of observation, measuring, recording and interpreting geographical phenomena and use them in solving their daily life problems;
- 2.4 acquire the social economic skills for competing in the labour market of the globalized world; and
- 2.5 develop a sense of commitment to preserve and utilize resources sustainably as a heritage for future generations.

**3.0 GENERAL COMPETENCES**

The examination will assess the candidates' ability to:

- 3.1 show personal initiative and commitment in managing national resources and the environment;
- 3.2 use natural resources sustainably in order to raise the standard of living;
- 3.3 use different skills to overcome day to day social and economic constraints;
- 3.4 recognize the interactions between their country and other countries and draw lessons to solve the existing problems;
- 3.5 collect, organize and interpret information in numerical or statistical forms;

- 3.6 use and arrange instruments accurately and confidently in presenting geographical information or data and;
- 3.7 demonstrate socio-economic skills in order to compete successfully in the labour market within the globalized world.

#### **4.0 EXAMINATION RUBRIC**

The examination will have **two (2)** papers. Paper 1 (113/1 Geography 1) will cover Practical and Physical Geography. Paper 2 (113/2 Geography 2) will consist of Human and World Economic Geography.

##### **4.1 113/1 Geography 1**

The duration for this paper will be **three (3)** hours. The paper will consist of sections A and B with a total of **seven (7)** questions. Candidates will be required to answer **five (5)** questions. The paper will weigh **100** marks.

**Section A** will consist of **three (3)** short answer questions of which question number **one (1)** will be compulsory. The candidates will be required to answer two (2) questions including question 1. Question 1 will carry **twenty five (25)** marks and the rest will carry **fifteen (15)** marks each. The section will weigh a total of **forty (40)** marks.

**Section B** will consist of **four (4)** essay questions. The candidates will be required to answer **three (3)** questions. Each question will carry **twenty (20)** marks. The section will weigh a total of **sixty (60)** marks.

##### **4.2 113/2 Geography 2**

The duration for this paper will be **three (3)** hours. It will consist of **seven (7)** essay questions. The candidates will be required to answer **five (5)** questions of which question number **one (1)** will be compulsory. Each question will carry **twenty (20)** marks. Therefore, the paper will weigh **100** marks.

#### **5.0 EXAMINATION CONTENTS**

The candidates will be assessed in the following topics:

## 5.1 113/1 Geography 1

- 5.1.1 Application of statistics in Geography
- 5.1.2 Field research strategies
- 5.1.3 Position, behaviours and structure of the earth
- 5.1.4 The dynamic earth and consequence
- 5.1.5 Simple survey and map making
- 5.1.6 Topographic map interpretation
- 5.1.7 Photograph interpretation
- 5.1.8 Water masses
- 5.1.9 Study of soils
- 5.1.10 Space dynamics

## 5.2 113/2 Geography 2

- 5.2.1 Population and development
- 5.2.2 Agricultural development
- 5.2.3 Livestock keeping and management
- 5.2.4 Sustainable use of fuel and power
- 5.2.5 Sustainable mining
- 5.2.6 Sustainable use of forestry
- 5.2.7 Sustainable fishing
- 5.2.8 Environmental friendly tourism
- 5.2.9 Manufacturing industries
- 5.2.10 Transport and communication

### 113/1 Geography 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Items per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Application of statistics in Geography/ Field research strategies							1	16.5



S/N	Topic	Skills to be Tested						Number of Items per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
2	Position, behaviours and structure of the earth/The dynamic earth and consequence							1	12.5
3	Simple survey and map making/ Photograph interpretation							1	21.3
4	Topographical map interpretation							1	10.2
5	Water masses							1	9.2
6	Study of soils							1	11.5
7	Space dynamics							1	18.8
<b>Total Number of Questions</b>								<b>7</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 113/2 Geography 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Items per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Population and development							2	20.6
2	Agricultural development/ Livestock keeping							1	17.6
3	Sustainable use of fuel and power/ Sustainable mining							1	17.6

S/N	Topic	Skills to be Tested						Number of Items per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
4	Sustainable use of forestry/ Sustainable fishing							1	17.6
5	Environmental friendly tourism / Transport and communication							1	17.6
6	Manufacturing industries							1	8.8
<b>Total Number of Questions</b>								<b>7</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## **114 DIVINITY**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on 2011 Divinity Syllabus for Advanced Level of Secondary Education. The revised format emphasizes on measuring the candidates' competences in higher order thinking skills. Despite the improvement made in the format, there are no changes in the examination content.

### **2.0 GENERAL OBJECTIVES**

The Divinity examination will assess the extent to which candidates can:

- 2.1 acquire knowledge of God and deepen their understanding of the Christian dimensions of life as contained in the Biblical revelation and Christian history;
- 2.2 acquire the knowledge of guiding principles and teachings to spread the Gospel message;
- 2.3 develop insights into religious or Christian moral values and to relate those values to life as a basis for judgements and choices in the changing world;
- 2.4 understand the Christian-moral values of the Old and New Testament literature; and
- 2.5 lay an adequate religious foundation to those who wish to pursue the study of Religion and Theology at higher levels.

### **3.0 GENERAL COMPETENCES**

The Divinity examination will test the candidates' ability to:

- 3.1 comment, analyse, evaluate, interpret and apply Biblical texts, concepts, themes and teachings in the Christian Religion;
- 3.2 use knowledge of the guiding principles and teachings of the Gospel message in various situations, strengthening their faith and live in a Christian life;
- 3.3 use religious or Christian moral values as a basis for judgements and choices in the changing world and maintain good citizenship (social responsibility);
- 3.4 analyse and apply Christian-moral values as revealed in the New Testament literature; and

- 3.5 use the knowledge gained in Divinity classes to help others to understand crosscutting issues such as HIV and AIDS, environment, human rights, gender, corruption, embezzlement of public resources and globalization.

#### 4.0 EXAMINATION RUBRIC

The examination will comprise two papers, namely 114/1 Divinity 1 and 114/2 Divinity 2.

##### 4.1 **114/1 Divinity 1**

This paper will last for **three (3)** hours. The paper will consist of sections A and B with a total of **nine (9)** questions. The candidates will be required to answer **eight (8)** questions which will weigh **100** marks.

**Section A** will consist of **six (6)** short answer questions. Candidates will be required to answer **all** the questions. Each question will carry **10** marks. Therefore, this section will carry **60** marks.

**Section B** will consist of **three (3)** essay questions. The candidates will be required to answer **two (2)** questions. Each question will carry **20** marks. This section will therefore, carry **40** marks.

##### 4.2 **114/2 Divinity 2**

The duration for this paper will be **three (3)** hours. The paper will consist of sections A and B with a total of **nine (9)** questions. The candidates will be required to answer **eight (8)** questions which will weigh **100** marks.

**Section A** will consist of **six (6)** short answer questions. Candidates will be required to answer **all** questions. Each question will carry **10** marks. This section will carry **60** marks.

**Section B** will consist of **three (3)** essay questions. The candidates will be required to answer **two (2)** questions. Each question will carry **20** marks. This section will carry **40** marks.

## **5.0 EXAMINATION CONTENTS**

The candidates will be assessed in the following topics:

### **5.1 114/1 Divinity 1: The Old Testament**

#### **5.1.1 Historical Books**

- 5.1.1.1 Faith and teachings
- 5.1.1.2 The Book of Judges (Judges 1-21)
- 5.1.1.3 Establishment of Monarchy in Israel
- 5.1.1.4 The earlier prophets: The prophetic mission of Elijah and Elisha (The Book of Kings)

#### **5.1.2 Prophetic Literature**

- 5.1.2.1 The Book of Prophet Amos (Amos 1:1-9:15)
- 5.1.2.2 The Book of Prophet Hosea (Hosea 1:1-14:9)
- 5.1.2.3 The Book of Prophet Isaiah – The First Isaiah (Isaiah 1:1-12:6) and The Second Book of Isaiah (Isaiah 40:1 -45: 25)
- 5.1.2.4 The Book of Prophet Jeremiah (Jeremiah 1:1-45:5)
- 5.1.2.5 The Book of Prophet Ezekiel (Ezekiel 1:1-24:27)
- 5.1.2.6 The Book of Prophet Haggai (Haggai 1:1-2:23)
- 5.1.2.7 The Book of Prophet Zechariah (Zechariah 1:1-8:23)

### **5.2 114/2 Divinity 2: The New Testament**

#### **5.2.1 The Four Gospels**

- 5.2.1.1 The Gospel of Mathew (1:1-28:20)
- 5.2.1.2 The Gospel of Mark (1:1-16:20)
- 5.2.1.3 The Gospel of Luke (1:1-24:53)
- 5.2.1.4 The Gospel of John (1:1-21:25)

#### **5.2.2 The Apostolic Age**

- 5.2.2.1 The Book of the Acts of the Apostles (1:1-28:31)
- 5.2.2.2 The Letter of St. Paul to the Romans (1:1-16:27)
- 5.2.2.3 The First Letter to the Corinthians (1:1-16:24)
- 5.2.2.4 The Letter to the Galatians (1:1-6:18)
- 5.2.2.5 The First Letter to the Thessalonians (1:1-5:5-28)

### 114/1 Divinity 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Faith and teachings							1	11.6
2	The Book of Judges (Judges 1-21)							1	10.8
3	Establishment of Monarchy in Israel							1	13.2
4	The earlier prophets: The prophetic mission of Elijah and Elisha (The Book of Kings)							1	13.2
5	The Book of Prophet Amos (Amos 1:1-9:15) and the Book of Prophet Hosea (Hosea 1:1-14:9)							1	13.2
6	The Book of Prophet Isaiah – The First Isaiah (Isaiah 1:1-12:6) and The Second Isaiah (Isaiah 40:1-45:25)							1	9.8
7	The Book of Prophet Jeremiah (Jeremiah 1:1-45:5)							1	10.8
8	The Book of Prophet Ezekiel (Ezekiel 1:1-24:27)							1	8.7
9	The Book of Prophet Haggai (Haggai 1:1-2:23) and the Book of Prophet Zechariah (Zechariah 1:1-8:23).							1	8.7
<b>Total Number of Questions</b>								<b>9</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## 114/2 Divinity 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	The Gospel of Matthew (1:1-28:20)							1	14.7
2	The Gospel of Mark (1:1-16:20)							1	8.8
3	The Gospel of Luke (1:1-24:53)							1	14.7
4	The Gospel of John (1:1-21:25)							1	14.7
5	The Book of the Acts of the Apostles (1:1-28:31)							1	14.7
6	The Letter of St. Paul to the Romans (1:1-16:27)							1	8.8
7	The First Letter to the Corinthians (1:1-16:24)							1	8.8
8	The Letter to the Galatians (1:1-6:18)							1	7.4
9	The First Letter to the Thessalonians (1:1-5:28)							1	7.4
<b>Total Number of Questions</b>								<b>9</b>	
<b>Total Percentage Weight</b>									<b>100</b>

**115 ISLAMIC KNOWLEDGE**  
(For Both School and Private Candidates)

**1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on 2012 Islamic Knowledge Syllabus for Advanced Level of Secondary Education. The revised format emphasizes on measuring the candidates' competences in higher order thinking skills. Despite the improvement made in the format, there are no changes in the examination content.

**2.0 GENERAL OBJECTIVES**

The Islamic Knowledge examination will assess the extent to which the candidates can:

- 2.1 understand the implications of the selected suras of the Qur'an;
- 2.2 use the knowledge of the Islamic history and hadith in their daily life;  
and
- 2.3 demonstrate various levels of understanding of Qur'an and its translation, Islamic history and Hadith, Fiqh and Tawhiid.

**3.0 GENERAL COMPETENCES**

The Islamic Knowledge examination will test the candidates' ability to:

- 3.1 analyse and apply Qur'anic verses in various situations;
- 3.2 prove the authenticity of the Qur'an;
- 3.3 give the rationale for believing in Allah (s.w);
- 3.4 analyse and apply the Islamic history to the contemporary settings;
- 3.5 analyse the concept of Islam as a complete way of life; and
- 3.6 analyse, apply and evaluate worship in Islam.

**4.0 THE EXAMINATION RUBRIC**

There will be **two (2)** examination papers namely; 115/1 Islamic Knowledge 1 and 115/2 Islamic Knowledge 2.

**4.1 115/1 Islamic Knowledge 1**

The duration for this paper will be **three (3)** hours and will consist of sections A and B with a total of **nine (9)** questions. Candidates



will be required to answer **eight (8)** questions which will weigh **100** marks.

**Section A** will comprise **six (6)** short answers questions. Candidates will be required to answer **all** the questions. Each question will carry **10** marks making a total of **60** marks.

**Section B** will comprise **three (3)** essay questions. Candidates will be required to answer **two (2)** questions. Each question will carry **20** marks making a total of **40** marks.

#### 4.2 **115/2 Islamic Knowledge 2**

This paper will last for **three (3)** hours and will consist of sections A and B with a total of **nine (9)** questions. Candidates will be required to answer **eight (8)** questions which will weigh **100** marks.

**Section A** will comprise **six (6)** short answer questions. Candidates will be required to answer **all** questions. Each question will carry **10** marks making a total of **60** marks.

**Section B** will comprise **three (3)** essay questions. Candidates will be required to answer **two (2)** questions. Each question will carry **20** marks making a total of **40** marks.

### **5.0 EXAMINATION CONTENTS**

#### 5.1 **115/1 Islamic Knowledge 1**

- 5.1.1 Qur'anic concept of education
- 5.1.2 Qur'anic concept of religion
- 5.1.3 Authenticity of the Qur'an
- 5.1.4 Nations mentioned in the Qur'an
- 5.1.5 The teachings of selected verses of the Qur'an
- 5.1.6 History of the universe and mankind
- 5.1.7 Evolution of Islamic State in Meccan era
- 5.1.8 The Islamic State in Madina
- 5.1.9 The Islamic State in the Caliphate era
- 5.1.10 The History of Islam after the Caliphate era
- 5.1.11 Islam in East Africa
- 5.1.12 Sunnah and Hadith

- 5.2 **115/2 Islamic Knowledge 2**
- 5.2.1 Belief in Allah (s.w)
  - 5.2.2 The purpose of life and life after death
  - 5.2.3 Six pillars of faith
  - 5.2.4 Rationale of Islam and the concept of worship
  - 5.2.5 The five fundamentals of Islam
  - 5.2.6 Islamic way of life
  - 5.2.7 Islamic legal science and criminal law
  - 5.2.8 Islamic family law

**115/1 Islamic Knowledge 1 Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Qur'anic concept of education							1	10.1
2	Qur'anic concept of religion							1	8.8
3	Authenticity of the Qur'an							1	8.8
4	Nations mentioned in the Qur'an/ Teachings of selected verses of the Qur'an							1	11.3
5	Sunnah and Hadith/ The Islamic State in Caliphate era							1	7.6
6	History of the universe and mankind							1	8.8
7	Evolution of Islamic State - The Meccan era/ The Islamic State in Madina							2	27.7

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
8	The history of Islam after Caliphate era/ Islam in East Africa							1	16.9
<b>Total Number of Questions</b>								<b>9</b>	
<b>Total Percentage Weight</b>									<b>100</b>

**115/2 Islamic Knowledge 2 Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Rationale of Islam and the concept of worship/ The five fundamentals of Islam							1	16.5
2	Six pillars of faith							1	8.3
3	Belief in Allah (s.w) and its implication							1	14.9
4	The purpose of life and life after death							1	11.6
5	Islamic way of life							2	18.1

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
6	Islamic legal science and criminal law							1	11.6
7	Islamic family law							2	19
<b>Total Number of Questions</b>								<b>9</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## 121 KISWAHILI

(Kwa Watahiniwa Walioko na Wasiokuwa Shuleni)

### 1.0 UTANGULIZI

Fomati hii ya mtihani ni maboresho ya fomati ya mwaka 2015 iliyotolewa na Baraza la Mitihani la Tanzania. Fomati hii inazingatia muhtasari wa somo la Kiswahili kwa Shule za Sekondari Kidato cha Tano hadi cha Sita wa mwaka 2009. Maboresho yamefanyika kupima umahiri unaozingatia viwango vya juu vya kufikiri. Pamoja na maboresho hayo, hakuna mabadiliko yanayohusu mada zilizoainishwa kupimwa katika muhtasari.

### 2.0 MALENGO YA JUMLA

Mtihani wa Kiswahili utapima ni kwa kiwango gani mtahiniwa anaweza;

- 2.1 kutumia Kiswahili fasaha katika fani mbalimbali za maisha;
- 2.2 kutathmini Kiswahili kama sehemu muhimu ya utamaduni wa Tanzania;
- 2.3 kujenga tabia ya udadisi na ubunifu katika masuala ya lugha na fasihi ya Kiswahili;
- 2.4 kuelewa na kutumia kazi za fasihi katika maisha;
- 2.5 kukuza na kukieneza Kiswahili ili kiweze kutumika katika mawasiliano na nchi jirani na kimataifa;
- 2.6 kujenga tabia ya kujisomea maandiko mbalimbali ya Kiswahili;
- 2.7 kutumia Kiswahili kupata maarifa, mwelekeo na stadi za kijamii, kiutamaduni, kiteknolojia na kitaaluma kutoka ndani na nje ya nchi; na
- 2.8 kubainisha njia mbalimbali za ukuzaji na uenezaji wa Kiswahili ili kiweze kutumika kwa mawasiliano na nchi jirani na kimataifa.

### 3.0 UJUZI WA JUMLA

Utahini kwa kutumia fomati hii utazingatia upimaji wa ujuzi na utendaji wa mtahiniwa katika;

- 3.1 kuwasiliana kwa kuzungumza kwa Kiswahili sanifu katika miktadha mbalimbali;
- 3.2 kukithamini Kiswahili na kukitumia kuelezea utamaduni na uzalendo wa Mtanzania;
- 3.3 kutunga kazi za kitaaluma na za kifasihi;
- 3.4 kusoma na kuelewa maandiko yenye maarifa mbalimbali ya Kiswahili kwa kujitegemea na kwa ufanisi;
- 3.5 kuandika makala ndefu za kitaaluma na kifasihi kwa Kiswahili sanifu kwa kuzingatia taratibu za uandishi;
- 3.6 kusoma kwa ufahamu ili kupata maarifa na burudani;
- 3.7 kutumia lugha ya kifasihi katika mawasiliano kwa kuzingatia stadi zote za lugha;

- 3.8 kufanya tafiti kwenye vipengele mbalimbali vya sarufi na fasihi ya Kiswahili;
- 3.9 kutafsiri maandiko ya Kiingereza kwenda kwenye Kiswahili na ya Kiswahili kwenda Kiingereza;
- 3.10 kufanya ukalimani kwa kubadili mazungumzo ya Kiingereza kuwa ya Kiswahili na ya Kiswahili kuwa ya Kiingereza;
- 3.11 kufafanua athari za udhamini wa kazi za kifasihi; na
- 3.12 kueleza maendeleo ya Kiswahili katika nyakati mbalimbali.

#### **4.0 MAELEKEZO YA MTIHANI**

Mtihani wa somo la Kiswahili utakuwa na karatasi mbili (2), ambazo ni 121/1 Kiswahili 1 na 121/2 Kiswahili 2.

##### **4.1 121/1 Kiswahili 1**

Mtihani huu utafanyika kwa muda wa saa **tatu (3)**. Mtihani utakuwa na sehemu A na B zenye jumla ya maswali **nane (8)**. Mtahiniwa atatakiwa kujibu maswali **saba (7)** yenye jumla ya alama **100**.

**Sehemu A** itakuwa na maswali **manne (4)** ya majibu mafupi. Mtahiniwa atatakiwa kujibu maswali **yote** na kila swali litakuwa na alama **10**, hivyo kufanya jumla ya alama **40** katika sehemu hii.

**Sehemu B** itakuwa na maswali **manne (4)** ya insha. Mtahiniwa atatakiwa kujibu maswali **matatu (3)**, kati ya hayo **moja (1)** litakuwa la lazima. Kila swali litakuwa na alama **20**, hivyo kufanya jumla ya alama **60**.

##### **4.2 121/2 Kiswahili 2**

Mtihani huu utafanyika kwa muda wa saa **tatu (3)**. Mtihani utakuwa na sehemu A na B zenye maswali **nane (8)**. Mtahiniwa atatakiwa kujibu maswali **saba (7)** yenye jumla ya alama **100**.

**Sehemu A** itakuwa na maswali **manne (4)** ya majibu mafupi. Mtahiniwa atatakiwa kujibu maswali **yote** na kila swali litakuwa na alama **10**, hivyo kufanya jumla ya alama **40** katika sehemu hii.

**Sehemu B** itakuwa na maswali **manne (4)** ya insha. Mtahiniwa atatakiwa kujibu maswali **matatu (3)**, kati ya hayo **moja (1)** litakuwa la lazima. Kila swali litakuwa na alama **20**, hivyo kufanya jumla ya alama **60**.

#### 4.3 Orodha ya vitabu vitakavyotahiniwa:

##### (a) Ushairi

1. *Kimbunga* - *Haji Gora*
2. *Mapenzi Bora* - *Shabani Robert*
3. *Fungate ya Uhuru* - *Mohamed S. Khatibu*
4. *Chungu Tamu* - *Theobald Mvungi*

##### (b) Riwaya

1. *Usiku utakapokwisha* - *Mbunda Msokile*
2. *Kufikirika* - *Shaban Robert*
3. *Mfadhili* - *Hussein Tuwa*
4. *Vuta N'kuvute* - *Shafi Adam Shafi*

##### (c) Tamthiliya

1. *Kwenye Ukingo wa Thim* - *Ebrahim Hussein*
2. *Morani* - *Emmanuel Mbogo*
3. *Kivuli Kinaishi* - *Said Mohamed*
4. *Nguzo Mama* - *Penina Muhando*

#### Tanbihi

Orodha ya vitabu vilivyotajwa vimeidhinishwa na Wizara ya Elimu, Sayansi na Teknolojia. Hata hivyo, ikiwa Wizara itabadili vitabu, vitabu hivyo vitatumika kutahini.

## 5.0 MADA ZA KUTAHINI

### 5.1 121/1 Kiswahili 1

- 5.1.1 Ufahamu
- 5.1.2 Matumizi ya sarufi
- 5.1.3 Utumizi wa lugha
- 5.1.4 Uandishi
- 5.1.5 Maendeleo ya Kiswahili
- 5.1.6 Tafsiri

### 5.2 121/2 Kiswahili 2

- 5.2.1 Fasihi kwa ujumla
- 5.2.2 Usanifu wa maandishi
- 5.2.3 Ushairi
- 5.2.4 Riwaya
- 5.2.5 Tamthiliya

**Jedwali la Utahini la 121/1 Kiswahili 1**

S/N	Mada	Nyanja za Utambuzi Zitakazopimwa						Idadi ya Maswali kwa kila Mada	Asilimia ya Maswali kwa kila Mada
		Kukumbuka	Kuelewa	Kutumia	Kuchambua	Kutathmini	Kuunda		
1	Ufahamu							1	12.5
2	Matumizi ya sarufi							2	25.0
3	Utumizi wa lugha							1	12.5
4	Uandishi							1	12.5
5	Maendeleo ya Kiswahili							2	25.0
6	Tafsiri							1	12.5
<b>Idadi ya Maswali</b>								<b>8</b>	
<b>Asilimia ya Uzito wa Maswali</b>									<b>100</b>

**Jedwali la Utahini la 121/2 Kiswahili 2**

SN	Mada	Nyanja za Utambuzi Zitakazopimwa						Idadi ya Maswali kw Mada	Asilimia ya Maswali kila Mada
		Kukumbuka	Kuelewa	Kutumia	Kuchambua	Kutathmini	Kuunda		
1	Fasihi kwa ujumla							3	37.5
2	Usanifu wa maandishi							1	12.5
3	Ushairi							2	25.0
4	Riwaya							1	12.5



SN	Mada	Nyanja za Utambuzi Zitakazopimwa						Idadi ya Maswali kw Mada	Asilimia ya Maswali kila Mada
		Kukumbuka	Kuelewa	Kutumia	Kuchambua	Kutathmini	Kuunda		
5	Tamthiliya							1	12.5
<b>Idadi ya Maswali</b>								<b>8</b>	
<b>Asilimia ya Uzito wa Maswali</b>									<b>100</b>

**122 ENGLISH LANGUAGE**  
(For Both School and Private Candidates)

**1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on the 2009 English Language Syllabus for Advanced Level Secondary Education. The reviewed format aims at measuring the candidates' competences in higher order thinking skills on competence based assessment. However, there are no changes in the examination content.

**2.0 GENERAL OBJECTIVES**

The English Language examinations will generally measure the extent to which candidates can:

- 2.1 communicate well in different life situations;
- 2.2 read and analyse a variety of texts from different sources;
- 2.3 write a variety of texts clearly and logically;
- 2.4 write creatively for income generation and self-advancement;
- 2.5 appreciate and analyse literary works;
- 2.6 demonstrate basic knowledge of the English Language; and
- 2.7 translate a variety of texts from English to Kiswahili and vice versa.

**3.0 GENERAL COMPETENCES**

The examination will measure the candidates' ability to:

- 3.1 express themselves clearly and logically;
- 3.2 use appropriate English Language for different audiences and purposes;
- 3.3 read and analyse critically a variety of English texts as presented from different sources;
- 3.4 write a variety of English texts;
- 3.5 apply English Language knowledge to operate technological devices;
- 3.6 apply English Language to generate income and advance on oneself; and
- 3.7 translate a variety of texts from English to Kiswahili and vice versa.

**4.0 EXAMINATION RUBRIC**

The English Language examination will consist of **two (2)** papers: 122/1 English Language 1 and 122/2 English Language 2.

#### 4.1 **122/1 English Language 1**

This paper will last for **three (3)** hours and will consist of sections A and B with a total of **eight (8)** questions. Candidates will be required to answer **seven (7)** questions. This paper will weigh a total of **100** marks.

**Section A** will consist of **four (4)** short answer questions. Candidates will be required to answer **all** the questions. Each question will weigh **10** marks, making a total of **40** marks.

**Section B** will consist of **four (4)** essay questions. Candidates will be required to answer **three (3)** questions in this section, out of which **two (2)** will be compulsory. Each question will weigh **20** marks, making a total of **60** marks in this section.

#### 4.2 **122/2 English Language 2**

This paper will be of **three (3)** hours and will consist of sections A and B with a total of **eight (8)** questions. Candidates will be required to answer **seven (7)** questions. This paper will weigh a total of **100** marks.

**Section A** will consist of **four (4)** short answer questions. Candidates will be required to answer **all** the questions. Each question will weigh **10** marks, making a total of **40** marks.

**Section B** will consist of **four (4)** essay questions. Candidates will be required to answer a total of **three (3)** questions in this section, out of which **two (2)** will be compulsory. Each question will weigh **20** marks, making a total of **60** marks in this section.

#### 4.3 **List of Readings:**

The following readings will be assessed:

##### (a) **Plays**

1. *Betrayal in the City* - Francis Imbuga
2. *I will Marry When I Want* - Ngugi wa Thiong'o & Ngugi wa Mirii
3. *The Bride* - Austine Bukenya
4. *Lwanda Magere* - Okoiti Omtatah
5. *An Enemy of the People* - Henrik Ibsen
6. *Black Mamba* - John Ruganda

##### (b) **Novels and Short Stories**

1. *Encounters from Africa* – Macmillan Publishers Ltd

2. *The Beautiful Ones are not Yet Born* - Ayi Kwei Armah
3. *A Man of the People* - Chinua Achebe
4. *Divine Providence* - Severin N. Ndunguru
5. *The Rape of the Pearl* - Magala Nyago
6. *Vanishing Shadows* - Namige Kayondo
7. *His Excellency the Head of State* - Danny Safo
8. *A Season of Waiting* - David Omowale

(c) **Poetry**

1. *Selected Poems* - Institute of Education
2. *The Wonderful Surgeon and Other Poems* - Charles Mloka

**Note:** The list of readings mentioned have been authorized by the Ministry of Education, Science and Technology. However, if the Ministry introduces new readings they will be assessed.

## 5.0 EXAMINATION CONTENTS

### 5.1 122/1 English Language 1

5.1.1 Introduction to Language

5.1.2 Word Formation

5.1.3 Language Skills:

**(a) Listening**

- (i) Proofreading and editing a text
- (ii) Public announcements/summarising information from public announcements
- (iii) Idiomatic expressions, Collocations and Register
- (iv) Facts and opinions

**(b) Speaking**

- (i) Pronunciation, stress and intonation
- (ii) Narrate experiences
- (iii) Express views/experiences/awareness on crosscutting issues
- (iv) Organise points of a debate
- (v) Present speech on selected topics

**(c) Reading**

- (i) Skimming and scanning
- (ii) Intensive and extensive reading
- (iii) Connotative and denotative meaning
- (iv) Using APA style
- (v) Cite sources using quoted and paraphrased texts

**(d) Writing**

- (i) Essays
- (ii) Note taking
- (iii) Official, business and personal documents
- (iv) Minutes, Curriculum Vitae and reports

5.1.4 Interpretation and Translation

**5.2 122/2 English Language 2**

**5.2.1 Appreciating Literary Works**

- 5.2.1.1 Basic concepts of Literature
- 5.2.1.2 Novels and Short Stories
- 5.2.1.3 Plays
- 5.2.1.4 Poetry

**5.2.2 Writing - Literary Stylistics**

- 5.2.2.1 Newspaper Articles, Posters and Advertisements
- 5.2.2.2 Creative and Factual Writing
- 5.2.2.3 Writing Short Stories
- 5.2.2.4 Writing Plays
- 5.2.2.5 Writing Poems

### 122/1 English Language 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Introduction to language							2	25
2	Word formation							1	12.5
3	Language skills							4	50
4	Interpretation and translation							1	12.5
<b>Total Number of Questions</b>								<b>8</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 122/2 English Language 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Appreciating literary works							6	75
2	Writing (Literary Stylistics)							2	25
<b>Total Number of Questions</b>								<b>8</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## **123 FRENCH LANGUAGE**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on the 2010 French Language Syllabus for Advanced Level of Secondary Education. The revised format focuses on competence based assessment featured by higher order thinking skills. There is no any change in the examination content.

### **2.0 GENERAL OBJECTIVES**

The examination will measure the extent to which candidates can:

- 2.1 acquire new knowledge on socio-cultural, political, science and technology by reading articles written in the French Language;
- 2.2 use the knowledge of French Language at higher level;
- 2.3 analyse texts written in French Language;
- 2.4 report information using appropriate French Language;
- 2.5 translate and interpret texts from French Language to either Kiswahili or English Language.

### **3.0 GENERAL COMPETENCES**

The examination will measure the candidates' ability to:

- 3.1 communicate in French Language in a simple way with people who speak the French Language in various situations;
- 3.2 express themselves correctly in written French;
- 3.3 understand, translate and interpret a text written in French Language; and
- 3.4 read and analyse different texts.

### **4.0 EXAMINATION RUBRIC**

The French Language examination will consist of two (2) papers; 123/1 French Language 1 and 123/2 French Language 2.

#### **4.1 123/1 French Language 1**

This paper will last for **three (3)** hours. The paper will consist of **ten (10)** short answer questions. Candidates will be required to answer **all** the questions. Each question will weigh **10** marks. The total marks for this paper will be **100** marks.

#### **4.2 123/2 French Language 2**

The duration for this paper will be **three (3)** hours. The paper will consist of sections A and B with a total of **seven (7)** questions.

Candidates will be required to answer **six (6)** questions which will weigh **100** marks.

**Section A** will comprise **two (2)** short answer questions. The candidates will be required to answer **all** the questions. Each question will carry **ten (10)** marks. The section will carry **20** marks.

**Section B** will consist of **five (5)** essay or structured questions. Candidates will be required to answer **four (4)** questions. Each question will carry **20** marks making a total of **80** marks.

## 5.0 EXAMINATION CONTENTS

### 5.1 123/1 French Language 1

- 5.1.1 Talking about different experiences (e.g. past, present)
- 5.1.2 Expressing wishes
- 5.1.3 Reported speech
- 5.1.4 Locating places
- 5.1.5 Translation
- 5.1.6 Phonology

### 5.2 123/2 French Language 2

- 5.2.1 Writing for various contemporary topics
- 5.2.2 Making the public aware of certain calamities (e.g. H.I.V)
- 5.2.3 Giving an argument (debate)
- 5.2.4 Talking about the causes and consequences of natural catastrophes
- 5.2.5 Analysis of various Literary works in French Language

### 123/1 French Language 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Talking about different experiences (e.g. past, present)							2	18



S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
2	Expressing wishes							1	8
3	Reported speech							1	5
4	Locating places							1	12
5	Translation							2	23
6	Phonology							3	34
<b>Total Number of Questions</b>								<b>10</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 123/2 French Language 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Writing for various contemporary topics							3	43
2	Making the public aware of certain calamities (e.g. HIV) / Giving an argument (debate)							1	20
3	Talking about the causes and consequences of natural catastrophes							2	22

S/N	Topic	Skills to be Tested						Number of Questions per	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
4	Analysis of various Literary works in French Language							1	15
<b>Total Number of Questions</b>								<b>7</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## **125 ARABIC LANGUAGE**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on the 2004 Arabic Language Syllabus in the Advanced Level of Secondary Education. In this format, the emphasis is towards using competence based assessment approach featured by higher order thinking skills. Despite the changes made in the format, there are no changes in the examination content.

### **2.0 GENERAL OBJECTIVES**

The Arabic Language examination will measure the extent to which the candidate can:

- 2.1 understand and apply correctly the Arabic language grammar;
- 2.2 use the Arabic Language correctly in writing in different situations on different topics;
- 2.3 read and understand advanced texts for pleasure and information; and
- 2.4 use the knowledge of the Arabic Language at high level of competence.

### **3.0 GENERAL COMPETENCES**

The examination will measure the candidate's ability to:

- 3.1 read for comprehension the advanced texts on political, social, academic and religious books written in the Arabic Language;
- 3.2 use correct grammatical sentences;
- 3.3 comprehend, appreciate and respond to form and content of literary works;
- 3.4 define literary terms; and
- 3.5 use the Arabic language in writing essays, reports, summaries, notes and letters.

### **4.0 EXAMINATION RUBRIC**

The examination will comprise **two (2)** papers: 125/1 Arabic Language 1 and 125/2 Arabic Language 2.

#### **4.1 125/1 Arabic Language 1**

This paper will last for **three (3)** hours. The paper will consist of **eight (8)** questions in sections A and B. Candidates will be required

to answer a total of **six (6)** questions which will weigh a total of **100** marks.

**Section A** will consist of **five (5)** short answer questions. Candidates will be required to answer **four (4)** questions. Each question will carry **15** marks, making a total of **60** marks.

**Section B** will consist of **three (3)** essay questions. Candidates will be required to answer **two (2)** questions out of **three (3)** questions. Each question will carry **20** marks, making a total of **40** marks.

#### 4.2 **125/2 Arabic Language 2**

The duration for this paper will be **three (3)** hours. The paper will comprise **eight (8)** questions in sections A and B. Candidates will be required to answer a total of **six (6)** questions which will weigh a total of **100** marks.

**Section A** will consist of **five (5)** short answer questions. Candidates will be required to answer **four (4)** questions. Each question will carry **15** marks, making a total of **60** marks.

**Section B** will consist of **three (3)** essay questions. Candidates will be required to answer **two (2)** questions. Each question will carry **20** marks, making a total of **40** marks.

#### 4.3 **List of Readings:**

The following reading will be assessed:

##### **Short Stories**

1. *Tajir* - *Baghdadi*
2. *Tajir* - *Bun -duqiyah*
3. *Sindbad* - *Al-bahri*

**Note:** If the Ministry of Education Science and Technology introduces new readings, they will be assessed.

## **5.0 EXAMINATION CONTENTS**

### **5.1 125/1 Arabic Language**

- 5.1.1 Inflection and uninflected
- 5.1.2 Nouns and verbs in the nominative case
- 5.1.3 Nouns and verbs in the accusative case
- 5.1.4 First stem of a verb and derivative stem of a verb

- 5.1.5 Nouns in the preposition and verbs in the imperative case
- 5.1.6 Transitive and intransitive verbs
- 5.1.7 Gerund
- 5.1.8 Indeclinable
- 5.1.9 Appositions
- 5.1.10 Reading a variety of texts and written expression

**5.2 125/2 Arabic Language**

- 5.2.1 Rhetoric and eloquence
- 5.2.2 Real meaning and metaphor
- 5.2.3 Criticism
- 5.2.4 Literature
- 5.2.5 Arabic periods of literature
- 5.2.6 Response to literary reading of prescribed set of books

**125 /1 Arabic Language 1 Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight Per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Inflection and uninflected							1	12.5
2	Nouns and verbs in the nominative case and in the accusative case							1	12.5
3	First stem of a verb and derivative stem of a verb							1	12.5
4	Nouns in the preposition and verbs in the imperative case							1	12.5
5	Transitive and intransitive verbs							1	12.5
6	Gerund and indeclinable							1	12.5
7	Appositions							1	12.5
8	Reading a variety of texts and written expressions							1	12.5
<b>Total Number of Questions</b>								<b>8</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## 125/2 Arabic Language 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Rhetoric and eloquence							1	12.5
2	Real meaning and metaphor							1	12.5
3	Criticism							1	12.5
4	Literature							1	12.5
5	Arabic periods of literature							1	12.5
6	Response to literary reading of prescribed set of books							3	37.5
<b>Total Number of Questions</b>								<b>8</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## 131 PHYSICS

(For both School and Private Candidates)

### 1.0 INTRODUCTION

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on the 2010 Syllabus for Advanced Level of Secondary Education. The revised format emphasises on the assessment of candidates' competences in higher order thinking skills. The improvements made in the format do not affect the examination content.

### 2.0 GENERAL OBJECTIVES

The Physics examination will assess the extent to which candidates are able to:

- 2.1 use procedures of scientific investigation;
- 2.2 apply knowledge of concepts, laws, theories and principles of Physics;
- 2.3 use scientific methods in solving problems;
- 2.4 use technological knowledge and skills in management, conservation and sustainable use of the environment; and
- 2.5 demonstrate manipulative skills to manage various technological appliances.

### 3.0 GENERAL COMPETENCES

The examination will assess the candidates' ability to:

- 3.1 analyse procedures of scientific investigation;
- 3.2 use Physics knowledge, principles and concepts in daily life;
- 3.3 demonstrate scientific methods in solving problems in daily life;
- 3.4 demonstrate scientific and technological skills in management, conservation and sustainable use of the environment; and
- 3.5 Manage simple technological appliances.

### 4.0 EXAMINATION RUBRIC

The examination will consist of three papers. Paper 1 (131/1 Physics 1) and Paper 2 (131/2 Physics 2) which will be theory papers; and paper 3 (131/3 Physics 3) which will be an actual practical paper.

#### 4.1 131/1 Physics 1

This paper will last for **three (3)** hours. It will consist sections A and B with a total of **10** questions. Candidates will be required to answer a total of **nine (9)** questions which will weigh **100** marks.

**Section A** will consist of **seven (7)** short answer questions each carrying **ten (10)** marks. Candidates will be required to answer **all** the questions. This section will weigh **70** marks.

**Section B** will consist of **three (3)** structured questions. Candidates will be required to answer **two (2)** questions. Each question will carry **15** marks. This section will weigh a total of **30** marks.

#### 4.2 **131/2 Physics 2**

This will be a theory paper which will last for **three (3)** hours. The paper will consist of **six (6)** structured questions. Candidates will be required to answer **five (5)** questions. Each question will carry **twenty (20)** marks making a total of **100** marks.

#### 4.3 **131/3 Physics 3**

This will be an Actual Practical paper. Three equivalent alternative papers (131/3A Physics 3A, 131/3B Physics 3B and 131/3C Physics 3C) will be set. Candidates will be required to sit for one of the alternatives.

Each alternative paper will last for **3:20** hours and will consist of **three (3)** questions. Question **one (1)** will carry **20** marks while question **two (2)** and **three (3)** will carry **15** marks each. Candidates will be required to answer **all** the questions worth the total of **50** marks in each alternative paper.

#### **Note**

- (i) The alternative papers will be sent to schools depending on the number of candidates. Alternative A will be sent to schools with up to **100** candidates, alternatives A and B to schools with candidates not exceeding **200** candidates and alternatives A, B and C to schools with more than **200** candidates.
- (ii) A check-list of apparatuses, equipment and materials required for the examination will be sent to schools not less than three months before the date of sitting for this paper. However, **24 Hours Advance Instructions** will be dispatched in advance to be opened 24 hours before the time of commencement of the examination for laboratory arrangements.
- (iii) When answering the questions in both theory and practical papers, candidates will be allowed to use non-programmable calculators and mathematical tables and formulae.



## 5.0 EXAMINATION CONTENTS

Candidates will be assessed in the following topics:

- 5.1 **131/1 Physics 1**
  - 5.1.1 Measurement
  - 5.1.2 Mechanics
  - 5.1.3 Heat
  - 5.1.4 Current electricity
  - 5.1.5 Electronics
  - 5.1.6 Environmental physics
  
- 5.2 **131/2 Physics 2**
  - 5.2.1 Fluid dynamics
  - 5.2.2 Properties of matter
  - 5.2.3 Vibrations and waves
  - 5.2.4 Electrostatics
  - 5.2.5 Electromagnetism
  - 5.2.6 Atomic physics
  
- 5.3 **131/3 Physics 3**
  - 5.3.1 Mechanics
  - 5.3.2 Heat
  - 5.3.3 Current electricity

### 131/1 Physics 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Measurement							1	5.87
2	Mechanics							3	22.57
3	Heat							2	16.70
4	Current electricity							1	14.22

5	Electronics							2	22.57
6	Environmental physics							1	18.06
<b>Total Number of Questions</b>								<b>10</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 131/2 Physics 2 Table of Specifications

S/N	Topic	Skills to be Tested					Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating		
1	Fluid dynamics						1	12.32
2	Properties of matter						1	12.86
3	Vibrations and waves						1	22.41
4	Electrostatics						1	8.40
5	Electromagnetism						1	19.89
6	Atomic physics						1	24.09
<b>Total Number of Questions</b>							<b>6</b>	
<b>Total Percentage Weight</b>								<b>100</b>

### 131/3 Physics 3 Table of Specifications

S/n	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Mechanics							1	42.19
2	Heat							1	31.22
3	Current electricity							1	26.58
<b>Total Number of Questions</b>								<b>3</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## 132 CHEMISTRY

(For Both School and Private Candidates)

### 1.0 INTRODUCTION

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania (NECTA). It is based on the 2010 syllabus for Advanced Level of Secondary Education. The revised format emphasizes on competence based assessment that measures higher order thinking skills. However, there are no changes made in the examination content.

### 2.0 GENERAL OBJECTIVES

The Chemistry examination will assess the extent to which candidates are able to:

- 2.1 relate and use knowledge, skills and principles of Chemistry in everyday life activities;
- 2.2 design and perform scientific experiments;
- 2.3 use chemical symbols, formulae and equation to communicate in Chemistry; and
- 2.4 apply the scientific principles and knowledge in utilization of natural resources with the maintenance of the environment, taking care of chemical disposals and creating awareness to the society regarding drug abuse.

### 3.0 GENERAL COMPETENCES

The examination will specifically test the candidates' ability to:

- 3.1 apply Chemistry knowledge, skills and principles in solving day-to-day's life problems, including proper use of chemicals;
- 3.2 utilize concepts, principles and skills of Chemistry in doing various activities and/or experiments;
- 3.3 apply chemical symbols, formulae and equations to communicate in Chemistry;
- 3.4 use scientific and technological skills in conserving and making sustainable use of the environment; and
- 3.5 use appropriate theoretical knowledge and practical skills in solving everyday life challenges.

### 4.0 EXAMINATION RUBRIC

The examination will consist of three papers. Paper 1 (132/1 Chemistry 1), paper 2 (132/2 Chemistry 2) and paper 3 (132/3 Chemistry 3).

#### 4.1 132/1 Chemistry 1

This theory paper will last for **three (3)** hours. The paper will consist of sections A and B with a total of **10** questions. Candidates

will be required to answer a total of **nine (9)** questions which will weigh **100** marks.

**Section A** will consist of **seven (7)** short answer questions each carrying **10** marks. Candidates will be required to answer **all** the questions. The section will weigh **70** marks.

**Section B** will consist of **three (3)** structured questions. Candidates will be required to answer **two (2)** questions. Each question will carry **15** marks. Therefore, the section will weigh **30** marks.

#### 4.2 **132/2 Chemistry 2**

This will be a theory paper that will last for **three (3)** hours. The paper will consist of **six (6)** short answer questions. Each question will carry **20** marks. Candidates will be required to answer a total of **five (5)** questions which will weigh **100** marks.

#### 4.3 **132/3 Chemistry 3**

This will be an Actual Practical paper. Three equivalent alternative papers (132/3A Chemistry 3A, 132/3B Chemistry 3B and 132/3C Chemistry 3C) will be set. Candidates will be required to sit for one of the alternative papers.

The paper will last for **3:20** hours and will consist of **three (3)** questions. Candidates will be required to answer **all** the questions. Question **one (1)** will carry **20** marks while questions **two (2)** and **three (3)** will carry **15** marks each, making a total of **50** marks.

#### **Note**

- (i) The alternative papers will be sent to schools depending on the number of candidates. Alternative A will be sent to schools with up to **100** candidates, alternatives A and B to schools with candidates not exceeding **200** and alternatives A, B and C to schools with more than **200** candidates.
- (ii) A check-list of apparatuses and chemicals required for the examination will be sent to schools not less than three months before the date of sitting for the actual practical paper. However, there will be **24 Hours Advance Instructions** which will be opened 24 hours for laboratory arrangements before the time of commencement of the examinations.

- (iii) The use of Qualitative Analysis Guide Sheet authorized by NECTA and non-programmable calculators will be allowed in the examination room.

## 5.0 EXAMINATION CONTENTS

The candidates will be assessed in the following topics:

### 5.1 132/1 Chemistry 1

- 5.1.1 The atom
- 5.1.2 Chemical bonding
- 5.1.3 Gases
- 5.1.4 Relative molecular masses in solution
- 5.1.5 Selected compounds of metals
- 5.1.6 Energetics
- 5.1.7 Chemical equilibrium
- 5.1.8 Aliphatic hydrocarbons
- 5.1.9 Aromatic hydrocarbons
- 5.1.10 Halogen derivatives of hydrocarbons
- 5.1.11 Environmental chemistry
- 5.1.12 Soil chemistry

### 5.2 132/2 Chemistry 2

- 5.2.1 Two component liquid systems
- 5.2.2 Chemical kinetics
- 5.2.3 Electrochemistry
- 5.2.4 Acids, bases and salts
- 5.2.5 Solubility, solubility products and ionic products
- 5.2.6 Periodic classification
- 5.2.7 Extraction of metals
- 5.2.8 Transition elements
- 5.2.9 Hydroxyl compounds
- 5.2.10 Amines
- 5.2.11 Polymers
- 5.2.12 Carbonyl compounds
- 5.2.13 Carboxylic acids and derivatives

### 5.3 132/3 Chemistry 3

- 5.3.1 Chemical analysis

### 132/1 Chemistry 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	The atom							1	11.70
2	Chemical bonding							1	6.38
3	Gases							1	9.57
4	Relative molecular masses in solution							1	6.38
5	Selected compounds of metals							1	14.89
6	Energetics							1	6.38
7	Chemical equilibrium							1	8.51
8	Aliphatic hydrocarbons							1	10.63
9	Aromatic hydrocarbons/ Halogen derivatives of hydrocarbons							1	9.57
10	Soil chemistry /Environmental chemistry							1	15.95
<b>Total Number of Questions</b>								<b>10</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 132/2 Chemistry 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Weight Percentage per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Two component liquid systems							1	15.64
2	Chemical kinetics/Electrochemistry							1	17.87

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Weight Percentage per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
3	Acids, bases and salts/Solubility, solubility product and ionic product							1	14.52
4	Extraction of metals/Periodic classification							1	19.55
5	Hydroxyl compounds/Polymers/Transition elements							1	18.99
6	Carboxylic acids and derivatives/Carbonyl compounds/Amines							1	13.40
<b>Total Number of Questions</b>								<b>6</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 132/3 Chemistry 3 Table of Specifications

Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
Chemical analysis							3	100
<b>Total Number of Questions</b>							<b>3</b>	
<b>Total Percentage Weight</b>								<b>100</b>



## **133 BIOLOGY**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This examination format is the revised version of the format issued by the National Examinations Council of Tanzania in 2015. The format is based on the 2009 Syllabus for the Advanced Level of Secondary Education. The format emphasizes on assessment that measures higher order thinking skills. However, there are no changes made in the examination content.

### **2.0 GENERAL OBJECTIVES**

The Biology examination will assess the extent to which the candidates are able to:

- 2.1 demonstrate understanding and appreciation of the role, influence and importance of biological science in everyday life in the society;
- 2.2 apply scientific skills and procedures in analysing and interpreting biological data;
- 2.3 apply basic knowledge and appropriate biological skill and scientific technology in combating healthy related problems;
- 2.4 develop the ability and desire for self-study, self-confidence and self-advancement in biological science and related field;
- 2.5 develop mastery of fundamental concepts, principles and skills of biological sciences and use it for best utilization of their natural heritage to raise their standard of living; and
- 2.6 promote acquisition of biological knowledge and skills by accessing various sources of information.

### **3.0 GENERAL COMPETENCES**

The examination will assess the candidates' ability to:

- 3.1 make appropriate use of biological knowledge, concepts, principles and skills in solving various problems in daily life;
- 3.2 collect, analyse and interpret data from biological scientific investigations and present them in a logical manner using appropriate methods and technology to generate relevant information;
- 3.3 demonstrate biological knowledge, skill and scientific technology in combating healthy related problems;

- 3.4 access relevant information on biological science and related fields for self-study and lifelong learning;
- 3.5 conduct scientific experiments and observation;
- 3.6 demonstrate creativity, curiosity, critical thinking, self-confidence, decision making and self-independency in problem solving situation;
- 3.7 demonstrate an understanding of biological terminologies and communicate effectively in written form;
- 3.8 demonstrate mastery of fundamental concepts, principles and skills of biological sciences and use it for best utilization of their natural heritage to raise their standard of living;
- 3.9 promote entrepreneurship skills in biological fields for development of individual and national economy; and
- 3.10 apply Information and Computer Technology (ICT) in accessing and generating information in Biology.

#### **4.0 EXAMINATION RUBRIC**

The examination will consist of three (3) papers; 133/1 Biology 1, 133/2 Biology 2 and 133/3 Biology 3.

##### **4.1 133/1 Biology 1**

This will be a theory paper which will last for **three (3)** hours. The paper will have two sections: A and B with a total of **10** questions. Candidates will be required to answer **nine (9)** questions. The paper will weigh **100** marks.

**Section A** will consist of **seven (7)** short answer questions each carrying **10** marks. Candidates will be required to answer **all** the questions. The section will have a total of **70** marks.

**Section B** will consist of **three (3)** essay/structured questions which will carry **15** marks each. The candidates will be required to answer **two (2)** questions. The section will weigh **30** marks.

##### **4.2 133/2 Biology 2**

This will be a theory paper that will last for **three (3)** hours. The paper will consist of **six (6)** essay/structured questions carrying **20** marks each. The candidates will be required to answer **five (5)** questions. The paper will weigh **100** marks.

#### 4.3 **133/3 Biology 3**

This will be an actual practical paper. Three equivalent alternative papers (133/3A Biology 3A, 133/3B Biology 3B and 133/3C Biology 3C) will be set. Candidates will be required to sit for one of the alternatives.

Each alternative paper will be for **3:20** hours and will consist of **three (3)** questions. Question **one (1)** will carry **20** marks while questions **two (2)** and **three (3)** will carry **15** marks each. Candidates will be required to answer **all** the questions. Each alternative paper will weigh **50** marks.

#### **Note**

- (i) The alternative papers will be sent to schools depending on the number of candidates. Alternative A will be sent to schools with up to **100** candidates, alternatives A and B to schools with candidates not exceeding **200** and alternatives A, B and C to schools with more than **200** candidates.
- (ii) A checklist of biology laboratory specimens, chemicals, apparatuses and materials required for the examination will be sent to schools not less than three months before the date of sitting for this paper. However, **24 Hours Advance Instructions** will be sent to be opened 24 hours prior to the beginning of the examination for making necessary laboratory arrangements.
- (iii) The examination papers will be attached with the candidates' assessment forms of which the Head of Biology Department will be required to fill-in on the spot-assessment marks form and attach it to the candidates' scripts.

### **5.0 EXAMINATION CONTENTS**

The candidates will be assessed in the following topics:

#### 5.1 **133/1 Biology 1**

- 5.1.1 Cytology
- 5.1.2 Principles of classification
- 5.1.3 Gaseous exchange and respiration
- 5.1.4 Reproduction
- 5.1.5 Nutrition
- 5.1.6 Transportation
- 5.1.7 Coordination

- 5.2 **133/2 Biology 2**
- 5.2.1 Genetics
  - 5.2.2 Regulation (Homeostasis)
  - 5.2.3 Comparative studies of natural groups of organisms
  - 5.2.4 Ecology
  - 5.2.5 Growth and development
  - 5.2.6 Evolution
- 5.3 **133/3 Biology 3**
- 5.3.1 Comparative studies of natural groups of organisms
  - 5.3.2 Cytology
  - 5.3.3 Transportation
  - 5.3.4 Co-ordination
  - 5.3.5 Nutrition
  - 5.3.6 Growth and development
  - 5.3.7 Reproduction
  - 5.3.8 Gaseous exchange and respiration
  - 5.3.9 Principles of classification

### 133/1 Biology 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Cytology							2	22.00
2	Principles of classification							1	7.00
3	Nutrition							1	12.00
4	Coordination							1	13.00
5	Transportation							1	12.00
6	Reproduction							2	16.00
7	Gaseous exchange and respiration							2	18.00
<b>Total Number of Questions</b>								<b>10</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 133/2 Biology 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Comparative studies of natural groups of organisms							1	23.33
2	Evolution							1	13.33
3	Regulation (homeostasis)							1	11.67
4	Genetics							1	20.00
5	Growth and development							1	15.00
6	Ecology							1	16.67
<b>Total Number of Questions</b>								<b>6</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 133/3 Biology 3 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Question per Topic	Percentage weight per topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Comparative studies of natural Groups of organisms							2	80
2	Cytology transportation/ Coordination/nutrition/ Growth and development/ Reproduction/Principles of classification/Gaseous exchange and respiration							1	20
<b>Total Number of Questions</b>									
<b>Total Percentage Weight</b>									<b>100</b>

## **134 AGRICULTURE**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format which was issued by the National Examinations Council of Tanzania. The format is based on the 2009 Agriculture Syllabus for Advanced Level of Secondary Education. In this format, the emphasis is towards using competence based assessment approach featured in creativity and critical thinking skills. However, there are no changes in the examination content.

### **2.0 GENERAL OBJECTIVES**

The Agriculture examination will assess the extent to which the candidates' can:

- 2.1 grasp agricultural knowledge, skills and attitudes both theoretically and practically;
- 2.2 identify and critically think on how to solve agricultural related problems;
- 2.3 appreciate Information Communication Technology (ICT) tools and their application in agricultural based activities;
- 2.4 understand and be aware of the global threats which have an impact on agricultural practices such as HIV/AIDS, global warming and pollution;
- 2.5 demonstrate basic communication skills on agricultural related matters; and
- 2.6 be familiar with relevant developments in agricultural technology.

### **3.0 GENERAL COMPETENCES**

The examination will assess the ability of candidates' to:

- 3.1 practise and advise on agricultural related issues;
- 3.2 identify and solve agricultural problems and make decisions through critical and creative thinking;
- 3.3 use the appropriate Information Communication Technology (ICT) tools to acquire, disseminate and practise agricultural activities;
- 3.4 use the acquired knowledge in agricultural sciences and technology effectively and critically showing responsibility towards the environment and the health of others;

- 3.5 collect, analyse, interpret and evaluate agricultural numerical information;
- 3.6 develop a positive attitude that agriculture is a self employment occupation; and
- 3.7 demonstrate awareness of global threats such as HIV/AIDS, global warming and pollution.

#### **4.0 EXAMINATION RUBRIC**

The examination will comprise three papers: 134/1 Agriculture 1, 134/2 Agriculture 2 and 134/3 Agriculture 3.

##### **4.1 134/1 Agriculture 1**

This will be a theory paper that will last for **three (3)** hours. The paper will consist of **ten (10)** short answer/structured questions. Candidates will be required to answer **all** questions. Each question will carry **10** marks. The paper will weigh **100** marks.

##### **4.2 134/2 Agriculture 2**

This will be a theory paper and will last for **three (3)** hours. The paper will consist of **ten (10)** short answer/structured questions. Candidates will be required to answer **all** the questions. Each question will carry **10** marks. The paper will weigh **100** marks.

##### **4.3 134/3 Agriculture 3**

This will be a practical paper that will last for **3:20** hours. The paper will consist of **three (3)** short answer questions and the candidates will be required to answer **all** the questions. Question **one (1)** will carry **20** marks while questions **two (2)** and **three (3)** will carry **15** marks each. Therefore, the paper will weigh **50** marks.

#### **Note**

- (a) A checklist of apparatuses, tools, equipment, materials, chemicals and specimens required for the examination will be sent to respective schools not less than three months before the date of sitting for the actual practical paper. However, there will be **24 Hours Advance Instructions** which will be opened 24 hours before the commencement of the examination for laboratory arrangements.

- (b) The use of non-programmable calculators will be allowed in the examination room.

## **5.0 EXAMINATION CONTENTS**

### **5.1 134/1 Agriculture 1**

#### **5.1.1 Agricultural Engineering and Land Planning**

- 5.1.1.1 Farm power
- 5.1.1.2 Workshop technology
- 5.1.1.3 Farm mechanization and machinery
- 5.1.1.4 Farm structure
- 5.1.1.5 Introduction to irrigation

#### **5.1.2 Soil Science**

- 5.1.2.1 Introduction to soil science
- 5.1.2.2 Introduction to soil chemistry

#### **5.1.3 Agricultural Economics**

- 5.1.3.1 Agricultural production economics
- 5.1.3.2 Farm planning
- 5.1.3.3 Introduction to agricultural prices
- 5.1.3.4 Fundamentals of international trade

### **5.2 134/2 Agriculture 2**

#### **5.2.1 Livestock Science and Production**

- 5.2.1.1 Introduction to animal nutrition
- 5.2.1.2 Pasture agronomy
- 5.2.1.3 Livestock reproduction, breeding and improvement
- 5.2.1.4 Introduction to animal health
- 5.2.1.5 Environmental and technological challenges in agricultural development

#### **5.2.2 Crop Science and Production**

- 5.2.2.1 Plant diseases
- 5.2.2.2 Introduction to weed science
- 5.2.2.3 Crop pests
- 5.2.2.4 Plant breeding



- 5.3 **134/3 Agriculture 3**
- 5.3.1 Farm power
  - 5.3.2 Workshop technology
  - 5.3.3 Farm mechanization and machinery
  - 5.3.4 Farm structure
  - 5.3.5 Introduction to irrigation
  - 5.3.6 Introduction to soil science
  - 5.3.7 Introduction to soil chemistry
  - 5.3.8 Plant diseases
  - 5.3.9 Introduction to weed science
  - 5.3.10 Crop pests
  - 5.3.11 Plant breeding
  - 5.3.12 Introduction to animal nutrition
  - 5.3.13 Introduction to animal health
  - 5.3.14 Pasture agronomy
  - 5.3.15 Livestock reproduction, breeding and improvement
  - 5.3.16 Environmental and technological challenges in agricultural development

**134/1 Agriculture 1 Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Weight Percentage per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Farm power							1	9.30
2	Farm workshop/Farm structure							1	11.30
3	Farm mechanization and machinery/ Introduction to irrigation							1	10.40
4	Introduction to soil science							2	16.60
5	Introduction to soil chemistry							2	18.50
6	Agricultural production economics							1	13.50
7	Introduction to agricultural prices							1	10.80
8	Farm planning/Fundamentals of international trade							1	9.60
<b>Total Number of Questions</b>								<b>10</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 134/2 Agriculture 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Livestock reproduction, breeding and improvement							1	13.30
2	Introduction to animal nutrition							1	11.90
3	Environmental and technological challenges in agricultural development							1	9.50
4	Pasture agronomy							1	7.10
5	Introduction to animal health							1	11.90
6	Plant diseases							2	16.60
7	Plant breeding							1	8.30
8	Crop pests							1	11.90
9	Introduction to weed science							1	9.50
	<b>Total Number of Questions</b>							<b>10</b>	
	<b>Total Percentage Weight</b>								<b>100</b>

### 134/3 Agriculture 3 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Agricultural engineering and land planning/Soil science							1	33.33
2	Crop science and production							1	33.33
3	Livestock science and production							1	33.33
	<b>Total Number of Questions</b>							<b>3</b>	
	<b>Total Percentage Weight</b>								<b>100</b>

## **136 COMPUTER SCIENCE**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format which was issued by the National Examinations Council of Tanzania. The format is based on the 2010 Computer Science Syllabus for Advanced Level of Secondary Education. In this format the emphasis is towards using competence based assessment approach featured in creativity and critical thinking skills. However, there are no changes in the examination content.

### **2.0 GENERAL OBJECTIVES**

The Computer Science examination will assess the extent to which candidates are able to:

- 2.1 identify a variety of learning and career opportunities in computer science;
- 2.2 demonstrate an understanding of the roles and responsibilities of computer scientists as related to technological changes in computer science;
- 2.3 demonstrate skills in writing computer programmes in structured languages; and
- 2.4 demonstrate knowledge and skills required for further studies in computer science and related fields.

### **3.0 GENERAL COMPETENCES**

The examination will assess the candidates' ability to:

- 3.1 communicate effectively through writing, speaking and drawing on computer science related matters;
- 3.2 use appropriately the computing techniques and methods in solving problems at individual and society level;
- 3.3 think logically, critically and creatively; and
- 3.4 work independently to advance science and technology.

### **4.0 EXAMINATION RUBRIC**

There will be two (2) papers; 136/1 Computer Science 1 (Theory Paper) and 136/2 Computer Science 2 (Practical Paper).

#### 4.1 136/1 Computer Science 1

This will be a theory paper that will last for **three (3)** hours. The paper will consist of sections A and B, with a total of **10** questions. Candidates will be required to answer a total of **nine (9)** questions weighing **100** marks in total.

**Section A** will consist of **seven (7)** short answer questions. Candidates will be required to answer **all** the questions. Each question will carry **ten (10)** marks, making a total of **70** marks in this section.

**Section B** will consist of **three (3)** essay/structured questions. Candidates will be required to answer **two (2)** questions. Each question will carry **15** marks, making a total of **30** marks.

#### 4.2 136/2 Computer Science 2

This will be a practical paper which will last for **three (3)** hours. The paper will consist of **three (3)** questions. Candidates will be required to answer **two (2)** questions, including question **one (1)** which will be on **C++ programming**. Each question will carry **25** marks, making a total of **50** marks.

#### Note

- (a) A checklist of instruments and programmes to be installed in the computers will be sent to schools not less than three months before the date of examination. There will be **no 24 Hours Advance Instructions** for this paper.
- (b) Candidates' softcopies of their practical work will be submitted to the National Examinations Council of Tanzania together with the printed hard copies attached to the booklet covers. Soft copies will be saved in **three (3)** CDs using the candidates' Examination Numbers.

### 5.0 EXAMINATION CONTENTS

The candidates will be assessed on the following topics:

#### 5.1 136/1 Computer Science 1

5.1.1 Computer basics

5.1.2 Data representation

- 5.1.3 Problem solving
- 5.1.4 C++ programming
- 5.1.5 Website development
- 5.1.6 System development
- 5.1.7 Data structure and algorithms
- 5.1.8 Information system
- 5.1.9 Data communication and networking
- 5.1.10 Visual programming
- 5.1.11 Computer security and privacy
- 5.1.12 I.T environment

**5.2 136/2 Computer Science 2**

- 5.2.1 C++ programming
- 5.2.2 Visual programming
- 5.2.3 Website development
- 5.2.4 Information system
- 5.2.5 Computer basics

**136/1 Computer Science 1 Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Computer basics							1	7.33
2	Data representation							1	7.58
3	Problem solving/Data structure and algorithm							1	14.99
4	C++ programming							1	15.81
5	Web development							1	8.48

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
6	System development/ Information systems							1	12.31
7	Data communication and networking							1	7.20
8	Visual programming							1	10.52
9	Computer security and privacy							1	7.45
10	IT environment							1	8.33
<b>Total Number of Questions</b>								<b>10</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 136/2 Computer Science 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	C++ programming							1	29.64
2	Visual programming/ Information systems							1	40.73

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
3	Computer basics/Web development							1	29.63
<b>Total Number of Questions</b>								<b>3</b>	
<b>Total Percentage Weight</b>									<b>100</b>



# 141 BASIC APPLIED MATHEMATICS

(For Both School and Private Candidates)

## 1.0 INTRODUCTION

This examination format is the revised version of the format issued in 2015 by the National Examinations Council of Tanzania. The revised format is based on the 2009 Basic Applied Mathematics Syllabus for Advanced level of Secondary Education. The format aims at testing the knowledge and skills acquired by the candidates using questions that are competence based. However, there are no changes in the examination content.

## 2.0 GENERAL OBJECTIVES

The Basic Applied Mathematics examination will test the extent to which candidates are able to:

- 2.1 create alternative methods and techniques in solving mathematical problems;
- 2.2 identify, read and write mathematical symbols and expressions;
- 2.3 promote the development and application of mathematical skills in solving everyday life problems;
- 2.4 apply mathematical concepts in interpreting situations at local and global levels;
- 2.5 use mathematical approaches in solving problems; and
- 2.6 develop a foundation of mathematical knowledge, techniques and life skills for studying mathematics and related subjects.

## 3.0 GENERAL COMPETENCES

The examination will test the candidates' ability to:

- 3.1 think critically and logically in interpreting and solving problems;
- 3.2 use mathematical language in explaining and identifying mathematics-related ideas;
- 3.3 apply mathematical knowledge and techniques in other fields;
- 3.4 recognize the application of mathematical concepts in different fields;
- 3.5 appreciate the application of mathematical knowledge and skills in everyday life; and
- 3.6 use appropriate technology to solve mathematical problems.

## 4.0 EXAMINATION RUBRIC

There will be **one (1)** paper that will last for **three (3)** hours. This paper will have **ten (10)** short-answer questions, each carrying **ten (10)** marks

making a total of **100** marks. The candidates will be required to answer **all** the questions, showing all the work clearly.

**Note**

- (a) Candidates will be required to show clearly all the steps involved in arriving at a correct answer.
- (b) The use of non-programmable calculator will be allowed in the examination room.

**5.0 EXAMINATION CONTENTS**

Candidates will be assessed in the following topics:

- 5.1 Calculating devices
- 5.2 Functions
- 5.3 Algebra
- 5.4 Differentiation
- 5.5 Integration
- 5.6 Statistics
- 5.7 Probability
- 5.8 Trigonometry
- 5.9 Exponential and logarithmic functions
- 5.10 Matrices
- 5.11 Linear programming

**141 Basic Applied Mathematics Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
1	Calculating devices							1	6.4
2	Functions							1	8.3
3	Algebra							1	6.2
4	Differentiation							1	7.4

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analysing	Evaluating	Creating		
5	Integration							1	10.3
6	Statistics							1	11.7
7	Probability							1	10.3
8	Trigonometry							1	14.0
9	Exponential and logarithmic functions							1	12.4
10	Matrices/linear programming							1	12.9
<b>Total Number of Questions</b>								<b>10</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## **142 ADVANCED MATHEMATICS**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This format is the revised version of the format issued in 2015 by the National Examinations Council of Tanzania. The revised format is based on the Advanced Mathematics Syllabus of 2009. The revisions made in this format aimed at testing the knowledge and skills acquired by the candidates using questions that are more competence based. However, there are no changes in the examination content.

### **2.0 GENERAL OBJECTIVES**

The Advanced Mathematics examination will test the extent to which candidates are able to:

- 2.1 develop mathematical skills and knowledge to be used in other areas and related subjects;
- 2.2 develop and apply mathematical skills in solving everyday life problems;
- 2.3 employ computer packages in solving mathematical problems;
- 2.4 apply deductive and inductive reasoning in proving mathematical arguments; and
- 2.5 work out the solutions to mathematical problems.

### **3.0 GENERAL COMPETENCES**

The examination will assess the candidates' ability to:

- 3.1 think critically and logically in interpreting and solving problems;
- 3.2 integrate and share mathematical skills with the community;
- 3.3 apply mathematical knowledge and techniques in other fields;
- 3.4 perform computations using scientific calculators and other electronic devices;
- 3.5 communicate the knowledge of mathematics using Information Communication Technology (ICT); and
- 3.6 create new knowledge from already known mathematics.

### **4.0 EXAMINATION RUBRIC**

There will be two (2) papers; 142/1 Advanced Mathematics 1 and 142/2 Advanced Mathematics 2.

4.1 **142/1 Advanced Mathematics 1**

This paper will last for **three (3)** hours and will consist of **ten (10)** structured questions. Candidates will be required to answer **all** the questions. Each question will carry **ten (10)** marks. Therefore, the paper will weigh **100** marks.

4.2 **142/2 Advanced Mathematics 2**

This paper will last for **three (3)** hours and will consist of sections A and B with a total of **eight (8)** questions. Candidates will be required to answer **six (6)** questions which will weigh **100** marks.

**Section A** will consist of **four (4)** problem solving questions each carrying **15** marks. Candidates will be required to answer **all** questions. The section will weigh **60** marks.

**Section B** will comprise **four (4)** questions each carrying **20** marks. Candidates will be required to answer **two (2)** questions. The section will weigh **40** marks.

**Note**

- (a) In each paper, candidates will be required to show clearly all the steps involved in arriving at a correct answer.
- (b) The use of non-programmable calculator will be allowed in the examination room.

## 5.0 EXAMINATION CONTENTS

The candidates will be assessed in the following topics:

5.1 **142/1 Advanced Mathematics 1**

- 5.1.1 Calculating devices
- 5.1.2 Hyperbolic functions
- 5.1.3 Linear programming
- 5.1.4 Statistics
- 5.1.5 Sets
- 5.1.6 Functions
- 5.1.7 Numerical methods
- 5.1.8 Coordinate geometry I
- 5.1.9 Integration
- 5.1.10 Differentiation

5.2 **142/2 Advanced Mathematics 2**

- 5.2.1 Probability
- 5.2.2 Logic
- 5.2.3 Vectors
- 5.2.4 Complex numbers
- 5.2.5 Trigonometry
- 5.2.6 Algebra
- 5.2.7 Differential equations
- 5.2.8 Coordinate geometry II

**142/1 Advanced Mathematics 1 Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Calculating devices							1	3.7
2	Hyperbolic functions							1	4.9
3	Linear programming							1	6.1
4	Statistics							1	6.1
5	Sets							1	9.8
6	Functions							1	10.2
7	Numerical methods							1	13.4
8	Coordinate geometry I							1	15.0
9	Integration							1	15.0
10	Differentiation							1	15.9
<b>Total Number of Questions</b>								<b>10</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## 142/2 Advanced Mathematics 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Probability							1	17.6
2	Logic							1	9.3
3	Vectors							1	10.8
4	Complex numbers							1	8.7
5	Trigonometry							1	14.2
6	Algebra							1	14.2
7	Differential equations							1	14.0
8	Coordinate geometry II							1	11.3
<b>Total Number of Questions</b>								<b>8</b>	
<b>Total Percentage Weight</b>									<b>100</b>

# 151 ECONOMICS

(For Both School and Private Candidates)

## 1.0 INTRODUCTION

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on the 2009 Advanced Level of Secondary Education Syllabus. The revised format emphasises on competence based assessment featured by high order thinking. Despite these changes, there are no changes in the examination content.

## 2.0 GENERAL OBJECTIVES

The Economics examination will assess the extent to which the candidates can:

- 2.1 use the terminologies, language and symbols of the subject matter;
- 2.2 demonstrate innovative use Information Communication Technology (ICT) and entrepreneurial skills to solve economic problems;
- 2.3 learn independently, be creative, think critically and use personal social values and skills to deal with economic issues;
- 2.4 apply numeracy skills to solve economic problems;
- 2.5 interpret economic issues arising from government and non-government policies;
- 2.6 explain economic theories and show how they apply to the Tanzanian economy; and
- 2.7 analyse international economic issues and transactions.

## 3.0 GENERAL COMPETENCES

The Economics examination will test the candidates' ability to:

- 3.1 communicate competently and confidently by using appropriate vocabulary related to economics;
- 3.2 recognise and use numerical patterns and relationships in economics competently;
- 3.3 demonstrate an innovative and entrepreneurial character, critical and creative thinking, independent learning skills and social values in economics;
- 3.4 demonstrate appropriate use of technology in dealing with economic issues;
- 3.5 work effectively, independently and cooperatively in making decisions concerning the economics discipline;
- 3.6 apply economic theories in the Tanzanian economy; and
- 3.7 analyse and interpret economic issues using basic economic tools.



#### 4.0 EXAMINATION RUBRIC

The examination will consist of **two (2)** Papers. Paper 151/1 Economics 1 (Economic Theory) and 151/2 Economics 2 (Economic Development).

##### 4.1 151/1 Economics 1

This paper will last for **three (3)** hours. The paper will be on Economic Theory and will consist of sections A, B and C with a total of **eight (8)** questions. Candidates will be required to answer **six (6)** questions which will weigh **100** marks.

**Section A** will consist of **two (2)** short answer questions. Each question will weigh **ten (10)** marks. Candidates will be required to answer **all** questions making a total of **20** marks in this section.

**Section B** will consist of **three (3)** structured questions of which candidates will be required to answer **two (2)** questions. Each question will carry **20** marks. Therefore, the section will carry a total of **40** marks.

**Section C** will consist of **three (3)** essay questions of which candidates will be required to answer **two (2)** questions. Each question will carry **20** marks making a total of **40** marks in this section.

##### 4.2 151/2 Economics 2

This paper will be on Economic Development and its duration will be **three (3)** hours. The paper will consist of sections A, B and C with a total of **eight (8)** questions. Candidates will be required to answer **six (6)** questions which will weigh **100** marks.

**Section A** will consist of **two (2)** short answer questions. Each question will weigh **ten (10)** marks. Candidates will be required to answer **all** questions. The section will weigh **20** marks.

**Section B** will consist of **three (3)** structured questions of which candidates will be required to answer **two (2)** questions. Each question will carry **20** marks. The section will carry a total of **40** marks.

**Section C** will consist of **three (3)** essay questions of which candidates will be required to answer **two (2)** questions. Each question will carry **20** marks. Therefore, the section will carry a total of **40** marks.

## **Note**

- (a) In each paper, candidates will be required to show clearly all the steps involved in arriving at a correct answer.
- (b) The use of non-programmable calculator will be allowed in the examination room.

## **5.0 EXAMINATION CONTENTS**

### **5.1 151/1 Economics 1: Economic Theory**

- 5.1.1 Subject matter of economics
- 5.1.2 Production
- 5.1.3 Theories of demand and supply
- 5.1.4 Market
- 5.1.5 Theory of the firm
- 5.1.6 Theory of money
- 5.1.7 Trade cycle
- 5.1.8 Population
- 5.1.9 Employment and unemployment
- 5.1.10 Privatisation
- 5.1.11 Environmental economics

### **5.2 151/2 Economics 2: Economic Development**

- 5.2.1 National income
- 5.2.2 Public finance
- 5.2.3 Financial institutions
- 5.2.4 Marketing and distribution
- 5.2.5 International trade
- 5.2.6 Economic integration and cooperation
- 5.2.7 Economic planning
- 5.2.8 Structure of the Tanzanian economy
- 5.2.9 Economic growth and development

## 151/1 Economics 1 Table of Specifications

S/N	Topic	Skills to be Tested					Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating		
1	Subject matter of economics						1	13.8
2	Production						1	8.8
3	Theories of demand and supply						1	20
4	Market/Privatisation/Trade cycle						1	10.1
5	Theory of the firm						1	7.5
6	Theory of money						1	12.5
7	Population						1	13.8
8	Employment and Unemployment/Environmental economics						1	12.5
<b>Total Number of Questions</b>							<b>8</b>	
<b>Total Percent Weight</b>								<b>100</b>

## 151/2 Economics 2 Table of Specifications

S/N	Topic	Skills to be tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	National income							1	17.5
2	Public finance							1	21.3
3	Financial institutions							1	7.5
4	Marketing and distribution							1	7.5
5	International trade							1	13.8
6	Economic integration and cooperation/Economic planning							1	11.3
7	Structure of the Tanzanian economy							1	13.8
8	Economic growth and development							1	7.5
<b>Total Number of Questions</b>								<b>8</b>	
<b>Total Percent Weight</b>									<b>100</b>

## **152 COMMERCE**

(For Both School and Private Candidates)

### **1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. The format is based on the Commerce Syllabus for Advanced Level of Secondary Education of 2009. The revised format emphasizes on competence based assessment featured by high order thinking. However, there are no changes in the examination content.

### **2.0 GENERAL OBJECTIVES**

The Commerce examination will assess the extent to which candidates can:

- 2.1 use the terminologies, language and symbols of the subject precisely for the purpose of communicating effectively about commercial issues;
- 2.2 live independently, be creative, think critically and use personal social values and skills in dealing with commercial issues;
- 2.3 understand the changes that are taking place in the commercial sector in Tanzania;
- 2.4 interpret commercial issues arising from government and non-government policies;
- 2.5 understand the roles of various organizations in commerce;
- 2.6 identify and apply the numerical and other basic tools of commercial analysis;
- 2.7 be innovative in using Information and Communication Technology (ICT) and entrepreneurial skills in dealing with commercial issues; and
- 2.8 apply basic leadership and management skills and principles while working with others in order to accomplish business goals.

### **3.0 GENERAL COMPETENCES**

The examination will assess the candidates' ability to:

- 3.1 communicate competently and confidently in business negotiations;
- 3.2 interpret and respond to information presented in numerals, graphs and tables;
- 3.3 evaluate data and reports for making appropriate decisions on the basis of experiences and supporting evidence;
- 3.4 plan and achieve realistic personal goals;
- 3.5 work effectively, independently and cooperatively;

- 3.6 be responsible and committed for self-learning and performing tasks;
- 3.7 apply learnt knowledge and skills to entity and the society at large;
- 3.8 be responsible as a member of a group for jointly-decided actions and decisions; and
- 3.9 use electronic commerce facilities efficiently.

#### **4.0 EXAMINATION RUBRIC**

There will be two papers which are 152/1 Commerce 1 and 152/2 Commerce 2.

##### **4.1 152/1 Commerce 1**

The duration for this paper will be **three (3)** hours. The paper will consist of **seven (7)** essay questions. Candidates will be required to answer **five (5)** questions of which question number **one (1)** will be compulsory. Each question will carry **20** marks. Therefore, the paper will weigh **100** marks.

##### **4.2 152/2 Commerce 2**

This paper will last for **three (3)** hours. The paper will consist of **seven (7)** essay questions. Candidates will be required to answer **five (5)** questions of which question number **one (1)** will be compulsory. Each question will carry **20** marks. Therefore, the paper will weigh **100** marks.

**Note:** The use of non-programmable calculator will be allowed in the examination room.

#### **5.0 EXAMINATION CONTENTS**

##### **5.1 152/1 Commerce 1**

- 5.1.1 The scope of commerce
- 5.1.2 Production
- 5.1.3 Trade
- 5.1.4 Wholesale trade
- 5.1.5 Retail trade
- 5.1.6 Warehousing
- 5.1.7 Transport and communication
- 5.1.8 Insurance
- 5.1.9 Advertising
- 5.1.10 Banking
- 5.1.11 Stock exchange

- 5.2 **152/2 Commerce 2**
- 5.2.1 Foreign trade
  - 5.2.2 Import trade
  - 5.2.3 Export trade
  - 5.2.4 Marketing
  - 5.2.5 Business units
  - 5.2.6 Business capital
  - 5.2.7 Role of government in trade
  - 5.2.8 Organization and management of business
  - 5.2.9 The business office
  - 5.2.10 Taxation
  - 5.2.11 Contract of sales

**152/1 Commerce 1 Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	The scope of commerce/Trade							1	9.99
2	Production							1	12.56
3	Warehousing/Wholesale trade/Retail trade							1	19.24
4	Transportation and Communication							1	13.59
5	Insurance/Stock exchange							1	15.13
6	Advertising							1	12.82
7	Banking							1	16.67
<b>Total Number of Questions</b>								<b>7</b>	
<b>Total Percentage Weight</b>									<b>100</b>

## 152/2 Commerce 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	Foreign trade							1	10.16
2	Import trade							1	11.23
3	Export trade							1	11.23
4	Marketing							1	13.37
5	Business units/ Business capital							1	20.32
6	Role of government in trade/Organization and management in business/The business office							1	17.64
7	Taxation/Contract of sale							1	16.05
<b>Total Number of Questions</b>								<b>7</b>	
<b>Total Percentage Weight</b>									<b>100</b>



# **153 ACCOUNTANCY**

(For Both School and Private Candidates)

## **1.0 INTRODUCTION**

This examination format is the revised version of the 2015 format issued by the National Examinations Council of Tanzania. It is based on the Accountancy Syllabus for the Advanced Level Secondary Education of 2009. The revised examination format emphasizes on measuring the candidates' competences in higher order thinking skills. However, there are no changes in the examination content.

## **2.0 GENERAL OBJECTIVES**

The Accountancy examination will assess the extent to which candidates' can:

- 2.1 explain the subject matter of accounting;
- 2.2 distinguish the various accounting systems concerning financial matters and records;
- 2.3 apply the accounting function of recording and classifying the financial data;
- 2.4 critically analyse, interpret and report the financial data;
- 2.5 create business opportunities, creatively solve problems and take risks, respecting the rights of others and recognise the importance of environmental sustainability;
- 2.6 acquire and apply essential business knowledge, skills and principles productively and profitably;
- 2.7 develop themselves and others through business opportunities; and
- 2.8 communicate effectively on reporting financial matters.

## **3.0 GENERAL COMPETENCES**

The Accountancy examination will test the candidates' ability to:

- 3.1 communicate competently and confidently by listening, reading and writing in accountancy;
- 3.2 recognize and use numerical patterns and relationships confidently and competently in accounting;
- 3.3 think reflectively and logically, using the accounting information for decision making;

- 3.4 manage time effectively and efficiently in recording the financial data;
- 3.5 work effectively, independently with others as members of a team, group, organization and community;
- 3.6 analyse issues and making decisions in a good manner benefitting the accounting discipline;
- 3.7 make appropriate use of technology in solving problems at individual and community level;
- 3.8 use Information and Communication Technology (ICT) effectively and critically showing responsibility towards the accounting procedures;
- 3.9 demonstrate and understand the world of business transactions as a set of related systems that do not exist in isolation; and
- 3.10 collect, analyse, organize, interpret and critically evaluate information.

#### **4.0 EXAMINATION RUBRIC**

There will be two papers, 153/1 Accountancy 1 and 153/2 Accountancy 2.

##### **4.1 153/1 Accountancy 1**

This paper will be of **three (3)** hours. The paper will consist of **eight (8)** questions, divided into sections A and B. Candidates will be required to answer a total of **seven (7)** questions which will weigh **100** marks.

**Section A** will consist of **four (4)** short answers questions. Each question will carry **10** marks. Candidates will be required to answer **all** the questions in this section. The section will carry **40** marks.

**Section B** will consist of **four (4)** structured/problem solving questions. Each question will carry **20** marks. The candidates will be required to answer **three (3)** questions from this section. Therefore, the section will weigh **60** marks.

##### **4.2 153/2 Accountancy 2**

The duration for this paper will be **three (3)** hours. The paper will consist of **eight (8)** questions, divided into sections A and B. Candidates will be required to answer a total of **seven (7)** questions which will weigh **100** marks.

**Section A** will consist of **four (4)** short answers questions. Each question will carry **10** marks. Candidates will be required to answer **all** the questions in this section. The section will carry **40** marks.

**Section B** will consist of **four (4)** structured/problem solving questions. Each question will carry **20** marks. The candidates will be required to answer **three (3)** questions from this section. The section will weigh **60** marks.

### **Note**

- (a) In each paper, candidates will be required to show clearly all the steps involved in arriving at a correct answer.
- (b) The use of non-programmable calculators will be allowed in the examination room.

## **5.0 EXAMINATION CONTENTS**

The candidates will be assessed in the following topics:

### **5.1 153/1 Accountancy 1**

- 5.1.1 The nature and context of accountancy
- 5.1.2 Correction of accounting errors
- 5.1.3 Reserves and provisions
- 5.1.4 Depreciation and disposal of fixed assets (non-current assets)
- 5.1.5 Recognition of revenue and expenses
- 5.1.6 Preparation of financial statements
- 5.1.7 Financial statements analysis and interpretation
- 5.1.8 Investment accounts
- 5.1.9 Branch accounting

### **5.2 153/2 Accountancy 2**

- 5.2.1 Partnership accounting
- 5.2.2 Payroll accounting
- 5.2.3 Containers accounts
- 5.2.4 Stock valuation
- 5.2.5 Accounting for royalties
- 5.2.6 Company accounts
- 5.2.7 Hire purchase accounting
- 5.2.8 Cost accounting
- 5.2.9 Computerized accounting
- 5.2.10 Auditing

### 153/1 Accountancy 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight Per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating	Creating		
1	The nature and context of accountancy							1	20.89
2	Correction of accounting errors							1	6.79
3	Reserves and provisions/ Recognition of revenue and expenses							1	12.28
4	Depreciation and disposal of non-current assets							1	11.49
5	Preparation of financial statements							1	8.36
6	Financial statements analysis and interpretation							1	7.05
7	Investment accounts							1	8.88
8	Branch accounting							1	24.26
<b>Total Number of Questions</b>								<b>8</b>	
<b>Total Percentage Weight</b>									<b>100</b>

**153/2 Accountancy 2 Table of Specifications**

S/ N	Topic	Skills to be Tested					Number of Questions per Topic	Percentage Weight Per Topic
		Remembering	Understanding	Applying	Analyzing	Evaluating		
1	Partnership accounting						1	7.71
2	Payroll accounting						1	5.44
3	Containers accounts						1	8.62
4	Stock valuation/Accounting for royalties						1	14.28
5	Company accounts						1	24.71
6	Hire purchase accounting						1	10.66
7	Cost accounting/ Computerized accounting						1	16.56
8	Auditing						1	12.02
<b>Total Number of Questions</b>							<b>8</b>	
<b>Total Percentage Weight</b>								<b>100</b>

# **155 FOOD AND HUMAN NUTRITION**

(For Both School and Private Candidates)

## **1.0 INTRODUCTION**

This examination format is a revised version of the 2015 issued by the National Examinations Council of Tanzania. The format is based on the Food and Human Nutrition Advanced Level of Secondary Education syllabus issued in 2009. The revised format emphasises on the assessment on candidates' competences in higher order thinking skills. However, there are no changes made in the examination content.

## **2.0 GENERAL OBJECTIVES**

The Food and Human Nutrition examination will assess the extent to which candidates can:

- 2.1 apply scientific skills and procedures to identify the causes and effects of malnutrition on an individual, family, community and the nation;
- 2.2 plan and carry out experiments and projects, interpret the results and apply the acquired knowledge to promote good health and solve food and nutrition-related problems in our country;
- 2.3 develop modern technological knowledge and practical skills in food production, storage, processing and preservation and products handling;
- 2.4 develop managerial skills in planning, preparing and serving complete and balanced meals;
- 2.5 plan, design and organize food service enterprises and nutrition-related projects; and
- 2.6 demonstrate understanding of the practical operations and activities of improving food quality and safety in their communities.

## **3.0 GENERAL COMPETENCES**

The examination will assess the candidates' ability to:

- 3.1 apply Food and Human Nutrition principles and skills to improve health and quality of life of the people;
- 3.2 make appropriate use of Food and Human Nutrition knowledge in solving food and nutrition-related problems at all levels;
- 3.3 demonstrate technological knowledge and skills in food production, storage, processing and preservation;
- 3.4 demonstrate mastery of the basic principles and skills in planning, designing and running Food and Human Nutrition related projects and food service enterprises;
- 3.5 use modern technology to process, pack and handle various food products;

- 3.6 apply principles, basic rules and best practices to make sure that food quality and safety requirements are met; and
- 3.7 make appropriate use of Food and Human Nutrition knowledge to formulate recipes, design menu and plan balanced meals for various social groups of people.

#### **4.0 EXAMINATION RUBRIC**

The examination will consist of **three (3)** papers which are 155/1 Food and Human Nutrition 1, 155/2 Food and Human Nutrition 2 and 155/3 Food and Human Nutrition 3.

##### **4.1 155/1 Food and Human Nutrition 1**

This will be a theory paper that will last for **three (3)** hours. The paper will consist of sections A and B with a total of **nine (9)** questions. Candidates will be required to answer a total of **eight (8)** questions which will weigh **100** marks.

**Section A** will consist of **six (6)** short answer questions and each will weigh **ten (10)** marks. Candidates will be required to answer **all** the questions. This section will weigh **60** marks.

**Section B** will consist of **three (3)** essay questions. Each question will carry **20** marks. Candidates will be required to answer **two (2)** questions. The section will weigh **40** marks.

##### **4.2 155/2 Food and Human Nutrition 2**

This will be a theory paper that will last for **three (3)** hours. This paper will consist of sections A and B with a total of **nine (9)** questions. Candidates will be required to answer **eight (8)** questions. The paper will weigh **100** marks.

**Section A** will consist of **six (6)** short answer questions each weighing **ten (10)** marks. Candidates will be required to answer **all** the questions. This section will weigh **60** marks.

**Section B** will consist of **three (3)** essay questions. Each question will carry **20** marks. Candidates will be required to answer **two (2)** questions. The section will weigh **40** marks.

#### 4.3 **155/3 Food and Human Nutrition 3**

This will be a practical paper that will last for **3:20** hours. The paper will consist of **three (3)** questions. Question **one (1)** will carry **20** marks while questions **two (2)** and **three (3)** will carry **15** marks each. Candidates will be required to answer **all** the questions making a total of **50** marks for the whole paper.

#### **Note**

- (a) A checklist of apparatuses, equipment, chemicals and samples of materials required for the examination will be sent to the schools not less than three months before the date of the examination.
- (b) The **24 Hours Advance Instructions** will be dispatched to be opened **24** hours before the beginning of the examination for laboratory arrangements.
- (c) When answering the questions in both theory and practical papers, candidates will be allowed to use non-programmable calculators.

### **5.0 EXAMINATION CONTENTS**

The examination will be set from the following topics:

#### 5.1 **155/1 Food and Human Nutrition 1**

- 5.1.1 Food composition
- 5.1.2 Nutrient requirement
- 5.1.3 Food production
- 5.1.4 Food storage
- 5.1.5 Food processing and preservation
- 5.1.6 Technology of specific products
- 5.1.7 Food quality and safety

#### 5.2 **155/2 Food and Human Nutrition 2**

- 5.2.1 Food microbiology
- 5.2.2 Catering and institutional feeding
- 5.2.3 Malnutrition
- 5.2.4 Nutrition programme planning and intervention

#### 5.3 **155/3 Food and Human Nutrition 3**

- 5.3.1 Food composition
- 5.3.2 Food processing and preservation
- 5.3.3 Technology of specific products



### 155/1 Food and Human Nutrition 1 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Remembering	Understanding	Applying		
1	Food composition							1	10.79
2	Nutrient requirement							2	21.87
3	Food production							1	7.83
4	Food storage							2	18.95
5	Food processing and preservation							1	15.20
6	Technology of specific products							1	12.24
7	Food quality and safety							1	13.12
<b>Total Number of Questions</b>								<b>9</b>	
<b>Total Percentage Weight</b>									<b>100</b>

### 155/2 Food and Human Nutrition 2 Table of Specifications

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Percentage Weight per Topic
		Remembering	Understanding	Applying	Remembering	Understanding	Applying		
1	Food microbiology							2	18.90
2	Catering and institutional feeding							2	24.26
3	Malnutrition							2	20.81
4	Nutrition programme planning and intervention							3	36.03

S/N	Topic	Skills to be Tested						Number of Questions per Topic	Weight Percentage per Topic
		Remembering	Understanding	Applying	Remembering	Understanding	Applying		
<b>Total Number of Questions</b>							<b>9</b>		
<b>Total Percentage Weight</b>								<b>100</b>	

**155/3 Food and Human Nutrition 3 Table of Specifications**

S/N	Topic	Skills to be Tested						Number of Questions	Weight Percentage per Topic
		Remembering	Understanding	Applying	Remembering	Understanding	Applying		
1	Food composition							1	26.81
2	Food processing and preservation							1	42.75
3	Technology of specific products							1	30.44
<b>Total Number of Questions</b>							<b>3</b>		
<b>Total Percentage Weight</b>								<b>100</b>	

## Appendix 1

### A SUMMARY OF COGNITIVE DIMENSIONS ASSESSED IN THE FINAL EXAMINATIONS

Cognitive Levels Assessed	How to Measure	Sample of Action Verbs/Words Used			
<b>Remembering</b>	Students' ability to recall, retrieve or recognise information, ideas, facts and principles in the approximate form in which they learned them.	define describe recognise relate recall select	identify, label list, match, memorise, name which	duplicate outline reproduce what where when	who
<b>Understanding</b>	Students' ability to translate, comprehend or interpret information, facts or ideas based on prior learning.	explain summarise paraphrase describe illustrate identify	convert exemplify demonstrate restate estimate	extend rephrase translate indicate show	rewrite
<b>Applying</b>	Students' ability to select, transfer, use data, ideas, facts and principles to complete a problem or task in a new situation with minimum direction.	use compute solve apply construct relate manipulate	apply change compute illustrate employ examine	complete imitate articulate practise instruct	interpret
<b>Analysing</b>	Students' ability to distinguish, classify, and relate the assumptions, hypotheses, evidence, or structure of a statement or question	analyse categorise compare contrast separate prepare	discriminate compute classify divide simplify apply	modify operate relate organise arrange inspect	manipulate
<b>Evaluating</b>	Students' ability to appraise, assess, or critique an idea or fact on a basis of specific standards and criteria.	judge infer dispute recommend critique justify	assess conclude argue evaluate defend estimate	interpret tell discuss reframe predict rate	rank support appraise relate prioritise

Cognitive Levels Assessed	How to Measure	Sample of Action Verbs/Words Used			
<b>Creating</b>	Students' ability to compose, design, assemble, and combine ideas into a whole product, plan or idea that is new to him or her.	create design hypothesis invent develop revise prepare discover	collect combine compose construct arrange assemble devise formulate	plan rewrite set up suppose imagine synthesis change generate	rearrange reconstruct relate propose integrate express compile reorganise

***Note:** The interrogatives “How” and “Why” can be used to assess all the levels depending on the qualifiers used in the stem of the question.*

**THE EXTREMELY VAGUE ACTION VERBS OR PHRASES WHICH SHOULD BE AVOIDED**

<b>Words to Avoid</b>	<b>Phrases to Avoid</b>
<ul style="list-style-type: none"> <li>• Believe</li> <li>• Hear</li> <li>• Realise</li> <li>• Intelligence</li> <li>• Recognise</li> <li>• Comprehend</li> <li>• Know</li> <li>• See</li> <li>• Feel</li> <li>• Conceptualise</li> <li>• Listen</li> <li>• Memorise</li> <li>• Self-actualise</li> <li>• Think</li> <li>• Experience</li> <li>• Perceive</li> <li>• Understand</li> </ul>	<ul style="list-style-type: none"> <li>• Show your appreciation for</li> <li>• How acquainted are you with</li> <li>• How are you adjusted to</li> <li>• Show your awareness of</li> <li>• Comprehension of</li> <li>• Cognisant of</li> <li>• Enjoyment of</li> <li>• How conscious are you of</li> <li>• How familiar are you with</li> <li>• Indicate your interest in</li> <li>• Show your knowledge of</li> <li>• How knowledgeable are you about</li> <li>• Indicate your understanding of</li> <li>• Write short notes.</li> </ul>

**JAMHURI YA MUUNGANO WA TANZANIA  
WIZARA YA ELIMU NA MAFUNZO YA UFUNDI**

Anuani ya Simu: ELIMU DAR ES  
SALAAM.

Simu:

2110146,2120403,2120412/5/7/8/9

Telex: 42741 Elimu Tz.

Fax: 2113271 Elimu Tz

Unapojibu tafadhali taja:



S.L.P 9121,  
DAR ES SALAAM.

Kumb.Na. ED/OKE/56/193(01/1

Tarehe: 29/6/2009

Makatibu Tawala wa Mikoa  
Makatibu Tawala wa Wilaya  
Wakaguzi Wakuu wa Shule wa Kanda  
Wakuu wa Shule za Sekondari  
Wakuu wa Vyuo vya Ualimu  
Mkurugenzi wa Taasisi ya Elimu Tanzania  
Katibu Mtendaji Baraza la Mitihani la Tanzania  
Mkurugenzi Taasisi ya Elimu ya Watu Wazima  
**TANZANIA BARA**

**WARAKA WA ELIMU NA 3 WA MWAKA 2009**

**MIHTASARI MIPYA YA KIDATO CHA TANO NA SITA 2009**

Mtaala wa Elimu ya Sekondari ulirekebisha kwa Waraka Na. 9 wa Mwaka 2004. Marekebisho hayo yalifanyika ili kuhakikisha kuwa stadi za kazi na stadi za maisha zinafundishwa kikamilifu kwa kuziingiza katika masomo ya msingi yaliyopo.

Aidha, mwaka 2006 Wizara ya Elimu na Mafunzo ya Ufundi ilirekebisha Mtaala wa Elimu ya Sekondari kwa Waraka wa Elimu Na. 1. Madhumuni ya marekebisho hayo yalikuwa kuhakikisha kuwa utoaji wa elimu ya sekondari unazingatia soko huria, utandawazi, mahitaji ya sayansi na teknolojia, falsafa ya Elimu ya Kujitegemea, ajira katika sekta binafsi na sekta isiyo rasmi, mahitaji na matakwa ya jamii pamoja na kuhuisha masomo ya taaluma na mafunzo ya ufundi.

Mihtasari iliyorekebishwa ilianza kutumika mwaka 2005 na wanafunzi walioanza kutumia mihtasari husika wameingia Kidato cha Tano mwaka huu. Kwa misingi hiyo wanafunzi hao wanapaswa kutumia mihtasari mipya. Mihtasari hiyo ni ya masomo ya History, Geography, English, Kiswahili, Biology, Advanced Mathematics, Basic and Applied Mathematics, French, Commerce, Economics, Accountancy, Nutrition, Agriculture na General Studies.

Mihtasari mipya ya Chemistry na Physics ambayo kwa Kidato cha Kwanza ilianza kutumika mwaka 2008 itahusisha Kidato cha Tano ifikapo mwaka 2012. Wakuu wa shule wanaagizwa kuhakikisha kuwa wanafunzi wanafundishwa kwa kutumia mihtasari mipya ya masomo husika.

Waraka huu unaanza kutumika tarehe 1 Julai 2009.



L.P.R. Musaroche  
**KAIMU KAMISHNA WA ELIMU**

