451/3 MS
COMPUTER STUDIES
(Project)
March to September 2026
MARKING SCHEME

THE KENYA NATIONAL EXAMINATIONS COUNCIL

Kenya Certificate of Secondary Education

COMPUTER STUDIES
(PROJECT)

MARKING SCHEME
(CONFIDENTIAL)

THIS MARKING SCHEME IS THE PROPERTY OF THE KENYA NATIONAL EXAMINATIONS COUNCIL AND IT MUST BE RETURNED TO THE KENYA NATIONAL EXAMINATIONS COUNCIL AT THE END OF MARKING EXERCISE.

This marking scheme consists of 4 printed pages.

PROJECT TITLE: AZANI INTERNET SERVICE PROVIDER INFORMATION SYSTEM

ITEM	MAXIMUM MARKS	MARKS AWARDED
1. TITLE PAGE		
(a) Name and index number of candidate	$\frac{1}{2}$	
(b) Title of the project	$\frac{1}{2}$	
(c) Year of examination	$\frac{1}{2}$	
(d) Name of school	$\frac{1}{2}$	
Total	**2**	
2. PRELIMINARY PAGES		
(a) Declaration	$\frac{1}{2}$	
(b) Dedication	$\frac{1}{2}$	
(c) Acknowledgement		
(i) Existence	$\frac{1}{2}$	
(ii) Relevance	$\frac{1}{2}$	
(d) Table of contents		
(i) List of contents	1	
(ii) Correct referencing	1	
(iii) Completeness (all major headings included)	1	
(e) List of figures/tables		
(i) List of figures/tables	1	
(ii) Correct referencing	1	
Total	**7**	
3. INTRODUCTION		
(a) Existence	1	
(b) Relevance	1	
Total	**2**	
4. ANALYSIS		
(a) Problem definition	1	
(b) Existing system		
(i) Overview	1	
(ii) System structure	1	
(c) Proposed system		
(i) Objectives of the system	1	
(ii) Scope of the system	1	
(iii) Benefits of the system	2	
(iv) Feasibilities (at least 3 @ 1 mark each)	3	
Total	**10**	

ITEM	MAXIMUM MARKS	MARKS AWARDED
5. SYSTEM DESIGN		
(a) System flow chart		
(i) Correct symbols used in the design	1	
(ii) Logical flow	1	
(iii) Text labels used to annotate the symbols	1	
(b) Appropriate table fields and data types (any 20 fields @ $\frac{1}{2}$ mark for every 2)	5	
(c) Grouping variables into appropriate entities (at least 5 entities)	5	
(c) Input designs		
(at least 3) @ 1 mark each	3	
(d) Output designs		
(at least 4) @ 1 mark each	4	
Total	**20**	
6. SYSTEM CONSTRUCTION		
(a) Database tables (at least 5 @ 1 mark each)	5	
(b) Relationships (at least 4 correct links @ 1 mark each)	4	
(c) Input screens (at least 4 screen @ $\frac{1}{2}$ mark each	2	
(d) Data manipulation (use of queries, procedures, functions, modules or combinations) to obtain the following:		
(i) Total installation cost for each institution	3	
(ii) Cost of computers and LAN infrastructure for each installation	4	
(iii) Total monthly charges for upgraded internet	3	
(iv) Total monthly charges for internet services	2	
overdue fines and reconnection fee generated from each category	2	
(v) Aggregate amount for each service	3	
(e) Output screens (at least 3 @ 1 mark each)	3	
Total	**31**	

ITEM	MAXIMUM MARKS	MARKS AWARDED
7. DEMONSTRATION BY THE CANDIDATE		
(a) Loading/running the system	1	
(b) Performing data capture	2	
(c) Navigating (use of appropriate navigation buttons)	2	
(d) Performing data maintenance (edit, append, delete)	2	
(e) Performing input validation (any 4 @ $\frac{1}{2}$ mark)	2	
(f) Results (any 5 reports with summary @ 1 mark each)	5	
Total	**14**	
8. USER MANUAL		
(a) Installation guide/requirement	1	
(b) Loading process	1	
(c) Navigation guide	1	
(d) Procedure of generating output	1	
Total	**4**	
9. MISCELLANEOUS		
(a) Conclusion	1	
(b) Recommendation	1	
(c) Bibliography	1	
(d) Appendices	1	
Total	**4**	
10. DOCUMENTATION		
(a) Binding	1	
(b) Fully types text	2	
(c) All diagrams drawn using a software application tool	2	
(d) Logical sequencing of content	1	
Total	**6**	
GRAND TOTAL	**100**	