

451/3 MS
COMPUTER STUDIES
(Project)
March - September 2014



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.

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. TABLE OF CONTENTS		
(a) List of contents	1	
(b) Correct referencing	1	
(c) Completeness (All major headings included)	1	
TOTAL	3	
3. LIST OF FIGURES/TABLES		
(a) List of figures/tables	1	
(b) Correct referencing	1	
TOTAL	2	
4. REPORT STRUCTURE		
(a) Binding	1	
(b) Fully typed text	2	
(c) All diagrams drawn using a software application tool	2	
(d) Logical sequencing of content	1	
TOTAL	6	
5. ACKNOWLEDGEMENT		
(a) Existence	$\frac{1}{2}$	
(b) Relevance	$\frac{1}{2}$	
TOTAL	1	
6. INTRODUCTION		
(a) Existence	1	
(b) Relevance	1	
TOTAL	2	

ITEM	MAXIMUM MARKS	MARKS AWARDED
7. ANALYSIS		
(a) Problem definition	1	
(b) Existing system		
(i) Overview	1	
(ii) System structure	1	
(c) Proposed system		
(i) Objectives	1	
(ii) Scope of the system	1	
(iii) Benefits	2	
(iv) Feasibility (at least 3@ 1 mark each)	3	
TOTAL	10	
8. SYSTEM DESIGN		
(a) System flow chart		
(i) Correct symbols	1	
(ii) Logic	1	
(iii) Accompanying text	1	
(b) Appropriate fields and data types (any 20 fields @ ½ mark for every 2)	5	
(c) Grouping of variables into appropriate entities (at least 5 entities)	5	
(d) Input design (at least 3) @ 1 mark each	3	
(e) Output design (at least 4) @ 1 mark each	4	
TOTAL	20	
9. SYSTEM CONSTRUCTION		
(a) 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 screens @ ½ mark each)	2	
(d) Data manipulation (use of any of: queries, procedures, functions, modules or combinations) to obtain the following:		
(i) Generation of match fixtures	4	
(ii) Generation of league table	6	
(iii) Perform fee computation	1	
(iv) Generation of top scorers	1	
(v) Perform awards computation	4	
(vi) Generation of reprimanded teams	2	
(e) Output screens (at least 3 @ 1 mark each)	3	
TOTAL	32	

ITEM	MAXIMUM MARKS	MARKS AWARDED
10. DEMONSTRATION BY THE CANDIDATE (a) Loading/running the system (b) Data capture (c) Navigation (use of appropriate navigation buttons) (d) Data maintenance (Edit, append, Delete) (e) Input validation (any 4 @ ½ mark) (f) Results (any 5 reports with summary @ 1 mark each)	1 2 2 2 2 5	
TOTAL	14	
11. USER MANUAL (a) Installation guide/requirements (b) Loading process (c) Navigation guide (d) Procedure of generating output	1 1 1 1	
TOTAL	4	
12. MISCELLANEOUS (a) Conclusion (b) Recommendation (c) Bibliography (d) Appendices	1 1 1 1	
TOTAL	4	
GRAND TOTAL	100	