2902/103B, 2903/103B, 2906/103B,
2908/103B, 2909/103B, 2912/103B,
2918/103B, 2921/103B, 2922/103B
INFORMATION COMMUNICATION TECHNOLOGY (PRACTICAL)
Paper 2
November 2014
Time: 1 hour

THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN SALES AND MARKETING
DIPLOMA IN SUPPLY CHAIN MANAGEMENT
DIPLOMA IN BUSINESS MANAGEMENT
DIPLOMA IN HUMAN RESOURCE MANAGEMENT
DIPLOMA IN ROAD TRANSPORT MANAGEMENT
DIPLOMA IN TOURISM MANAGEMENT
DIPLOMA IN TOUR GUIDING MANAGEMENT
DIPLOMA IN PETROLEUM MANAGEMENT
DIPLOMA IN PROJECT MANAGEMENT

MODULE I

INFORMATION COMMUNICATION TECHNOLOGY (PRACTICAL)

Paper 2

1 hour

INSTRUCTIONS TO CANDIDATES

*You have **ten** minutes to read the instructions and the questions before starting the examination.*
Any problem(s) with the computer should be reported to the invigilator immediately.
Direct any question(s) to the invigilator only. Conversing with fellow students may lead to disqualification.
*Write your **name** and **index number** on the **rewritable CD** provided.*
*This paper consists of **two** tasks. Perform **ALL** the tasks.*
*Each task carries **20** marks.*
*Type your **name** and **index number** as a header on each sheet used.*
Read the instructions of each task carefully.
Print on one side of the paper only.
*Hand over your **printed work** and the **rewritable CD** to the invigilator at the end of the examination.*
Candidates should answer the questions in English

This paper consists of 6 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing

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SPECIFIC INSTRUCTIONS TO CANDIDATES

1. Create a folder named **KNECEXAM** on the desktop to store all the work done in this paper.

2. Ensure that the folder name **KNECEXAM** is burnt onto the **rewritable CD** at the end of the examination.

TASK 1

Figure 1 shows a section of a worksheet used to analyze examination results for scores in three subjects. Use it to answer the questions that follow:

	A	B	C	D	E	F	G	H
1	**Success Technical College**							
	Results Analysis							
2			Subjects			Performance		
3	Student No.	Student name	Life Skills	Communication	ICT	Total	Average	Grade
4	20012	Peter James	45	78	64			
5	20013	Ann Philip	67	47	77			
7	20014	Faith Paul	66	55	65			
8	20015	James Luke	89	79	60			
9	10016	Matthew John	66	67	70			
10		Minimum						
11		Maximum						
12								

Figure 1

(a)   Open a spreadsheet program and create the following worksheet in sheet 1 as it appears. Save it as *termresults* in the **KNECEXAM** folder.   (4 marks)

(b)   (i)   Using a formula and cell references only, compute each of the following for each student:

            I.   Total;   (1 mark)

            II.   Average;   (1 mark)

    (ii)   Format all average for each student to two decimal places.   (1 mark)

    (iii)   Compute each of the following for each subject:

            I.   Minimum;   (1 mark)

            II.   Maximum.   (1 mark)

(c)   Using a formula that uses cell references only, determine the grade for Peter James given that: (3 marks)

Average	Grade
Above 80	A
70 - 79	B
60 -69	C
50 - 59	D
0-49	E

(d)   (i)   Copy the contents of sheet 1 to sheet 2.   (1 mark)

    (ii)   Using an appropriate function, display all the students whose grade is A in sheet 2.   (2 marks)

(e)   Create an embedded *bar chart* in sheet 1 showing all the students and marks in all the subjects
      and label it appropriately..   (3 marks)

(f)   Save the changes in the print out later:

      (i)   sheet 1;   (1 mark)

      (ii)   sheet 2.   (1 mark)

TASK 2

(a)   Open a presentation program and create the following slides using an appropriate slide layout
for each. Save the presentation as *results* in the **KNECEXAM** folder.   (10 marks)

Slide Number	Slide content
1	**Success Technical College** Final Exam Analysis Presented by: Plate Moore Registrar
2	Contents 1. Introduction 2. Departments 3. Statistical Analysis 4. Graphical Analysis 5. Recommendation 6. Conclusion
3	Introduction • Presented 100 candidates for the national examination in the month of August. • The examinations ran as expected without any irregularities. • 45 out of the total were female and the rest were male. • There were 15 female and 40 male students in the Engineering department • Business department, had 30 female and 15 male students • Due to increased enrolment the following year we expect to have 150 candidates.

4	Statistical Analysis						
				Performance category			
	Serial no	Name	Candidature	Distinction	credit	Pass	Fail
	1	Electrical	25	1	10	10	4
	2	ICT	30	2	6	17	5
	3	Clothing	15	3	3	4	5
	4	Accounts	15	2	3	7	3
	5	Building	15	1	4	5	5
		Total	100	9	26	43	22
		Percentage		9%	26%	43%	22%

5	Graphical Analysis

6	Observation

- Fails and distinction were the lowest mode
- Passes were more than credits
- Male students performed better
- Clothing technology had the highest number of distinctions

7	Conclusion

- There was a 20% increase percentage pass compared to the previous year's performance.
- It is possible to attain 80% pass.

(b) Use the information in slide 5 to create a pie chart in slide 6 showing performance category and their percentages.
(4 marks)

(c) Apply a transition to all the slides as follows:

(i) slide transition : cover right down;

(ii) speed : medium.
(2 marks)

(d) Apply an animation to the fifth slide as follows:

(i) animation motion path : Diagonal up right;

(ii) speed : slow.
(2 marks)

(e) Save the changes to print out later handouts of 3 slide per page.
(2 marks)