



PAN AFRICA CHRISTIAN UNIVERSITY

(DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY)

END OF TERM EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: DICT 0112

CAMPUS: ROYSAMBU

COURSE TITLE: INTRODUCTION TO COMPUTER APPLICATIONS

EXAM DATE: MONDAY, (4TH APRIL 2022)

TIME: START HOUR – END 08:00-11 :00 HRS

INSTRUCTIONS

- This exam script has **TWO (2)** sections.
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other THREE questions in Section **B**.
- None programmable calculators permitted
- Calculators on phones, tablets and computers are NOT permitted in Theory Papers

SECTION A

(Answer ALL questions in this section)

Question 1:

- a. The number 3872.4754 was entered in a cell G20. Four formulas shown below referring to the data were entered in separate cells. Indicate the output from each formula
- i. =ROUND(G20,0) (1 Mark)
 - ii. =ROUNDUP(G20,0) (1 Mark)
 - iii. =ROUND(G20,2) (1 Mark)
 - iv. =ROUND(G20,-2) (1 Mark)
- b. Explain the circumstances under which each of the following functions would be used in a worksheet
- i. COUNTIF (2 Marks)
 - ii. SUMIF (2 Marks)
 - iii. COUNTBLANK (2 Marks)

SECTION B

(Answer any THREE (3) questions in this section)

Question 2:

- a. Andrew, a teacher at Maendeleo Technical Institute would like to rearrange the slides in a presentation document. Outline the procedure he would use to achieve this objective (2 Marks)
- b. Differentiate thesaurus and grammar and spelling checker as used in word processing (2 Marks)
- c. Discuss three classification of computer software giving an example in each case (6 Marks)

Question 3:

- a. Outline four objects used in a database program (2 Marks)
- b. Differentiate auto-number and number data types as used in database programs (3 Marks)
- c. Nelson created a table in a database program and was required to insert a primary key. Explain the reasons for using this key justifying your answer (3 Marks)
- d. Differentiate between cropping and resizing as using in DTP programs (2 Marks)

Question 4:

- a. Ann a computer student right clicked on a word that had been underlined with a red wavy line. List three options that are likely to be displayed on the resulting popup menu (3 Marks)
- b. Abraham used a presentation program to prepare slides for a lecture he intends to give to module II students. Justifying your answer, outline four reasons that prompted him to choose this program (4 Marks)
- c. With the aid of a relevant example, explain the term many to many relationships as applied in a database management system (3 Marks)

Question 5:

Table below is an extract from a spreadsheet worksheet. Use it to answer the questions that follow

	A	B	C	D	E	F
1	S/NO	Item Number	Item Name	Quantity	Price	Remark
2	1	M001	Mangoes	200	10	

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3	2	P002	Pineapples	50	50	
4	3	L003	Lemons	600	5	
5	4	P004	pears	1000	10	

Use cell addresses only

- a. Write a formula that would be used to calculate the number of products whose quantity is less than 100 (3 Marks)
- b. Write a formula that would be used to display the correct remark for item named mangoes given that:
 - i. Quantity is less or equal to 50 remark is "re-order"
 - ii. Quantity is less or equal to 100 remark is "OK"
 - iii. Quantity is greater than 100 remark is "overstocked" (3 Marks)

Question 6:

- a. Differentiate between each of the following cell references
 - i. G25 and \$G25 (2 Marks)
 - ii. G\$25 and \$G\$25 (2 Marks)
- b. State four possible change case options available in a typical word processing program (2 Marks)
- c. Below are features used in a PowerPoint presentation. Discuss their functions (4 Marks)
 - i. Placeholders
 - ii. Thumbnail icons

THE END