



PAN AFRICA CHRISTIAN UNIVERSITY

BACHELOR OF BUSINESS INFORMATION TECHNOLOGY

END OF TERM EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: BIT 101

CAMPUS: ROYSAMBU

COURSE TITLE: COMPUTER STUDIES

EXAM DATE: FRIDAY, 28TH JULY 2017

TIME: 09:00-12:00 HRS

INSTRUCTIONS

- This exam script has **TWO (2)** sections.
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other Four questions in Section **B**.
- Write only your **student number** on the answer booklet provided.
- 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:

- I. Explain the following terms as they relate to the use of computers:
a) Computer Literacy. **(2 Marks)**
b) Digital Divide. **(2 Marks)**
- II. Explain the term booting and distinguish between cold booting and warm booting. **(3 Marks)**
- III. Differentiate between shareware, freeware, and public-domain software. **(4**

Marks)

- IV. Outline the steps of booting a computer. **(4 Marks)**
- V. Distinguish between storage media and storage device. **(2 Marks)**
- VI. During a computer laboratory session, you come across the following software listing.
- Android
 - Tizen
 - Windows 7
 - UNIX
 - Windows Server 2016
 - Linux
 - iOS

Classify the software as either standalone, embedded, or network operating systems. **(3 Marks)**

SECTION B: (Answer any FOUR (4) questions in this section)

Question 2:

- I. Describe the following features in a word processing application.
a) Autocorrect **(2 Marks)**
b) Mail Merge **(2 Marks)**
c) Word Wrap **(2 Marks)**
d) Thesaurus **(2 Marks)**
e) Track Changes **(2 Marks)**
- II. Distinguish between a record and a field as used in a database application. **(4**

Marks)

- III. Explain ONE advantage of a software suite. **(2 Marks)**
- IV. Outline FOUR advantages of telecommuting. **(4 Marks)**

Question 3:

- I. Using examples, describe the following CPU concepts.
 - a) Pipelining **(4 Marks)**
 - b) Parallel Processing **(4 Marks)**
- II. Outline the steps followed to send a character from the keyboard to the computer monitor. **(4 Marks)**
- III. Explain TWO functions of the computer's power supply unit (PSU). **(4 Marks)**
- IV. Explain the difference between relative cell referencing and absolute cell referencing. **(4 Marks)**

Question 4:

- I. Explain the purpose of each of the following categories of application software.
 - a) Video Editing **(2 Marks)**
 - b) Desktop Publishing **(2 Marks)**
 - c) Project Management **(2 Marks)**
 - d) Accounting **(2 Marks)**
- II. Perform the following conversions and show your workings:
 - a) 502_{10} to binary **(3 Marks)**
 - b) 11011_2 to decimal **(3 Marks)**
 - c) AB_{16} to octal **(3 Marks)**
 - d) 5.625_{10} to Binary **(3 Marks)**

Question 5:

- I. Distinguish between Programmable Read Only Memory (PROM) and Erasable Programmable Read Only Memory (EEPROM). **(4 Marks)**
- II. Explain FIVE social issues that have arisen from use of computers in the present day society. **(10 Marks)**
- III. Explain THREE types of E-Commerce. **(6 Marks)**

Question 6:

- I. State FOUR functions of memory management performed by the operating system. **(4 Marks)**
- II. Define the term database. **(1 Mark)**
- III. Outline FIVE benefits of a database to an organization. **(5 Marks)**

- IV. The following is part of the performance for degree students during an end of semester exam. Use it to answer the following questions.

	A	B	C	D	E	F	G	H
1	NAME	REG. NO	B01	B02	B03	B04	TOTAL SCORE	MAXIMUM SCORE
2	MARY	A01	56	62	63	50		
3	GEORGE	A02	59	48	56	60		
4	ALEX	A03	61	71	65	59		
5	MARK	A04	65	62	61	72		
6	AVERAGE SCORE							

State the formula you would use to work out the following:

- a) Maximum score for GEORGE in cell H3 **(2 Marks)**
- b) Total score for ALEX in cell G4 **(2 Marks)**
- c) Average score for D04 in cell F6 **(2 Marks)**

- V. Describe the following number systems:

- a) Decimal **(2 Marks)**
- b) Binary **(2 Marks)**

Question 7:

- I. Differentiate between the actions performed by BACKSPACE and DELETE keys of the keyboard. **(2 Marks)**
- II. Differentiate between the following terms as used in spread sheet application.
 - a) Worksheet and Workbook **(4 Marks)**
 - b) Relative and Absolute referencing **(4 Marks)**
- III. A Word processing document has some text having red wavy underlines while some other text has green wavy underlines. State a reason for this. **(4 Marks)**
- IV. You have been asked by your supervisor to create a letter and send it to 50 colleagues and having studied a number of features in word processing application, you have opted to use mail merge. Outline the steps you would follow to accomplish your task. **(6 Marks)**

**PAN AFRICA CHRISTIAN UNIVERSITY
EXAMINATIONS PAPER**

