

PAN AFRICA CHRISTIAN UNIVERSITY

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING AND INFORMATION TECHNOLOGY
COURSE CODE: DICT 0112
COURSE TITLE: COMPUTER APPLICATIONS
CAMPUS: ROYSAMBU
EXAM DATE: MONDAY, 29TH JULY 2024
TIME: 08:00 AM - 11:00 AM

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**.
- Write only your **student number** on the answer booklet provided.

SECTION A

(Answer ALL questions in this section)

Question 1:

- a) Differentiate between hardware and software. **[1 mark]**
- b) Highlight three benefits of utilizing a presentation program for teaching. **[3 marks]**
- c) Explain the concept of absolute cell referencing in worksheets, and illustrate your explanation with an example. **[4 marks]**
- d) Differentiate between word processing application and spreadsheet application. **[2 marks]**

SECTION B

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

Question 2:

- a) Anita, an IT student at PAC University used the following formula in a worksheet;

$$=(A1*C$1)/D$4 - F1 + B2$$

Identify each of the following cell references from the formula **[3 marks]**

- i. Absolute
 - ii. Mixed
 - iii. Relative
- b) Explain each of the following MS PowerPoint features: **[4 marks]**
 - i. Animation
 - ii. Advance slide
 - c) Explain how to add and modify a page border. **[3 marks]**

Question 3:

- a) Explain the concept of mail merge **[1 mark]**
- b) Describe the steps involved in the mail merging process. **[5 marks]**
- c) Booting loads the first piece of software that starts a computer, and because operating system is essential for running all other programs, it is usually the first piece of software loaded during the boot process. Briefly describe the two types of boot process. **[4 marks]**

Question 4:

Discuss the following emerging technologies in the field of Information and Communication Technology. **[10 marks]**

- i. Artificial Intelligence
- ii. Cloud Computing
- iii. Data Analytics
- iv. Drone Technology
- v. Robotics

Question 5:

- a) Name any three views available in PowerPoint. **[3 marks]**
- b) Briefly explain the following features in Microsoft Publisher: **[3 marks]**
 - i. Frame
 - ii. Handles
 - iii. Template
- c) Identify and discuss two cons of computer use in today's world. **[4 marks]**

Question 6:

- a) Spreadsheets are widely used in fields such as finance, accounting, engineering, education, and research. List two types of spreadsheet. **[2 marks]**
- b) Explain the following roles of Operating Systems. **[8 marks]**

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EXAMINATIONS PAPER**



- i. Memory management
- ii. Process management
- iii. CPU Scheduling
- iv.** File management

END