

PAN AFRICA CHRISTIAN UNIVERSITY

CERTIFICATE IN INFORMATION COMMUNICATION TECHNOLOGY

END OF TERM EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: CICT0111

CAMPUS: ROYSAMBU

**COURSE TITLE: INTRODUCTION TO COMPUTERS AND
OPERATING SYSTEM**

EXAM DATE: 9TH APRIL 2024

TIME: 2:00 PM – 5 PM

INSTRUCTIONS

- This exam carry a total of SIX Questions of [10 Marks Each]
- Section One (I) is compulsory.
- Answer any 3 (Three) Questions from Section Two (II)
- Read all questions carefully before attempting.

SECTION ONE: (COMPULSORY)
MARKS

10

QUESTION ONE

- a) Define the term Computer. **[1 Marks]**
- b) With the aid of a block diagram, describe the components of a computer. **[4 Marks]**
- c) Describe one popular operating system you know? **[1 Mark]**
- d) Computer networks are classified based on certain factors. Briefly describe two factors on which Computer Networks are classified **[4 Marks]**

SECTION TWO: (ANSWER ANY THREE (3) QUESTIONS)
MARKS

30

QUESTION TWO.

- a) How is BIOS used and how would you access it during computer's startup. **[2 Marks]**
- b) Explain the difference between BIOS and CMOS RAM. **[2 Marks]**
- c) Explain the function of a digitizer in computers. **[2 Marks]**
- d) Explain the functions and differences between Optical Mark Reader and Optical Character Reader. **[4 marks]**

QUESTION THREE.

- a. State the major difference between Fully Mesh and Partially Mesh topology. **[2 Marks]**
- b. Explain why Tree topology is more preferred than the other topologies? **[4 Marks]**
- c. What is an Internetwork? **[1 Mark]**
- d. Explain how the Internetwork is deployed and implemented. **[3 Marks]**

QUESTION FOUR.

- a. What is a computer file? **[2 Mark]**
- b. State and explain four file attributes **[4 Marks]**
- c. State two security attributes and explain the different assignment given to each attribute in terms of user permissions. **[4 Marks]**

QUESTION FIVE.

- a. The two file systems used in Windows are FAT and NTFS. Explain the difference between the two and state why one is preferred over the other. **[5 Marks]**
- b. Two of the methods used for file access in Windows are Direct Access and Indexed Sequential Access. Explain the differences between the two access methods discuss the situations where one is preferred over the other. **[5 Marks]**

QUESTION SIX.

- a. State four main characteristics of a computer. **[4 Marks]**

- b. Briefly describe any three of the five main characteristics stated above. [6 Marks]

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