

PAN AFRICA CHRISTIAN UNIVERSITY

DEGREE INFORMATION COMMUNICATION TECHNOLOGY

END OF TERM EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: BIT 100

CAMPUS: ROYSAMBU

COURSE TITLE: FUNDAMENTALS OF COMPUTING

EXAM DATE:

TIME:

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)**10 MARKS****QUESTION ONE**

- a) Peter opened the internal section of his desktop computer referred to as the system Unit and encountered the following hardware devices, describe their ideal functions.
- i. Hard disk drive. **[1 Mark]**
 - ii. Motherboard. **[1 Mark]**
 - iii. CPU. **[1 Mark]**
 - iv. Power Supply. **[1 Mark]**
- b) Discuss THREE fundamentals of implementing computing in modern office Automation. **[3 Marks]**
- c) Without use of a diagram, Illustrate the main structure of a computer system and the function of each section. **[3 Marks]**

SECTION TWO: (ANSWER ANY THREE (3) QUESTIONS)**30 MARKS****QUESTION TWO.**

- a) There are some similarities and differences between Off the Shelf and Bespoke applications, Illustrate THREE major underlying differences between the two sets of software. **[6 Marks]**
- b) Differentiate between an input and output device in computing. **[4Marks]**

QUESTION THREE.

- a) **Trojan Horse, ransomware, Worms and Viruses** are types of computer malwares that greatly destabilize computing operations and lead to massive data loss and Denial of services. Describe each of them and how each is spread from one computer to the other. **[10 Marks]**

QUESTION FOUR.

- b) Citing valid applicable reasons, Discuss FOUR good factors you will use to recommend a purchase of an e-learning Management system (LMS) for your favorable University of choice. **[10 Marks]**

QUESTION FIVE.

- a) A Windows computer screen is marked with various parts and options for easy navigation. Discuss any Three Parts of a window citing their functions to a user. **[6Marks]**
- c) Using examples, differentiate between Internet and Network **[4Marks]**

QUESTION SIX.

- a) Computer Security is marked by a Security Triad referred to as (CIA) Confidentiality Integrity and Availability. Explain each of them with examples how they are applied. **[6Marks]**
- b) Differentiate between system Unit and peripheral device. **[4 Marks]**

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