

**PAN AFRICA CHRISTIAN UNIVERSITY
EXAMINATIONS PAPER**



PAN AFRICA CHRISTIAN UNIVERSITY

**BACHELOR OF BUSINESS INFORMATION TECHNOLOGY AND BACHELOR
OF SCIENCE IN INFORMATION TECHNOLOGY**

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING AND INFORMATION TECHNOLOGY

COURSE CODE: BSIT207/BIT 405

COURSE TITLE: E-COMMERCE AND CLOUD COMPUTING
CAMPUS: ROYSAMBU

EXAM DATE: THURSDAY, ,2024

TIME: 14:00 PM- 18:00PM

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) Cloud computing relies on virtualization technology; giving examples in each, differentiate the two basic types of virtualizations **[6**

Marks]

- b) Distinguish between Private and Public cloud with relation to Cloud Computing

[4

Marks]

SECTION B: (Answer any THREE (3) questions in this section)

Question 2:

- a) Define cloud computing and explain briefly the different cloud delivery models

[4

Marks]

- b) Discuss the cloud service models with special emphasis on the costs and the responsibilities of the infrastructure **[6 Marks]**

Question 3:

- a) Describe each of the following standards for e-payments:

- i. Secure socket layer (SSL)
- ii. Transport Layer Security (TLS)
- iii. Secure Electronic Transaction (SET):

[6

Marks]

- b) In 2014 there were about three million data centers in the U.S. While other computing paradigms have failed, cloud computing has continued to be successful. List any four reasons for the success of cloud computing

[4 Marks]

Question 4:

Internet and its use in E-Commerce have raised pervasive ethical, social and political issues on a scale unprecedented for computer technology.

- a) Explain the following ethical, social and political issues that have developed around ecommerce
- Information rights
 - Intellectual Property rights
 - Governance

[6

Marks]

- b) As a cloud user, you are faced with challenges ranging from security, compliance, managing cost and lack of expertise. Discuss any two measures you will attempt to reduce the cloud costs.

[4 Marks]

Question 5:

- a) When confronted with a situation that seems to present ethical dilemma, outline how you would analyze and reason about the situation **[8**

Marks]

- b) Outline any two key factors for the success of an E-commerce business

[2 Marks]

Question 6:

E-commerce companies such as XYZ use cloud computing as a tool to back up essential data and enhance customer experience. Other examples of cloud usage in e-commerce include providing personalised shopping experiences and Realtime inventory tracking with cloud-hosted databases and applications. As the use of the cloud is positively beneficial for ecommerce companies, the problem is that there are security risks. **Critically discuss any FIVE security risks** related to cloud e-commerce that the management of XYZ should be aware of. Include in the discussion related measures for the security risks explained **[10 Marks]**

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