



PAN AFRICA CHRISTIAN UNIVERSITY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: CICT0111/DICT0111

CAMPUS: ROYSAMBU

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

EXAM DATE:

TIME: START HOUR –

INSTRUCTIONS

- This exam paper has **six** questions
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other **three** questions in Section **B**.

SECTION ONE (COMPULSORY)

Question One

- a) Joe is a system administrator at BXC company. Discuss any **THREE** fundamental concepts of Computer Security that he needs to keep in mind as he performs his day to day activities. **[6 Marks]**
- b) As an ICT Officer of Company WGK, you need to perform offline back up weekly. Discuss **TWO** storage devices you can use to perform the back up **[4 Marks]**

SECTION TWO (ATTEMPT ANY THREE QUESTIONS)

Question Two

- a) Faith needs to install windows 8 and office 365 on computer B. Differentiate the Operating system and the Application software among these two. **[4 Marks]**

- b) Juma is an ICT lecturer at KXZ university and needs to teach on computer classification. Discuss ANY **THREE** classifications he will give to his class[6 Marks]

Question Three

- a) KXZ University wishes to automate the systems at their gate. Discuss any **THREE** challenges the management may face during the implementation of these systems. [6 Marks]
- b) Imagine you are a network consultant and your client wishes to install network within their organization. State any four network topologies you will mention to your client [4 Marks]

Question Four

You are a consultant at company XYZ and are to do a presentation on different states of a process. Highlight the **FIVE** states of a process. [10 Marks]

Question Five

As an ICT student, discuss at least **FIVE** ethical issues you will need to keep in mind when you start working. [10 Marks]

Question Six

Imagine you are the computer technician setting up a computer lab for KXZ University.

- a) State **TWO** computer inputs devices you will need to buy [2 Marks]
- b) State **TWO** considerations you will keep in mind as you set up the above [2 Marks]
- c) Discuss any **TWO** types softwares you will install while setting up the above [2 Marks]
- d) Discuss any **TWO** challenges you may face while setting up the above [2 Marks]
- e) Discuss any **TWO** ways you will ensure security in the above computer lab [2 Marks]