



PAN AFRICA CHRISTIAN UNIVERSITY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: DICT0211

CAMPUS: ROYSAMBU

COURSE TITLE: HARDWARE MAINTENANCE AND NETWORKING

EXAM DATE: 3rd AUGUST 2021

TIME: 14:30-17:30PM

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 A (Compulsory)

Question one

- a) A laboratory technician suspects that one of the computers has a problem for it shuts down automatically when switched on. Explain **THREE** possible checks that he can perform to resolve the issue. [6 Marks]
- b) Jane is unable to work on her computer for it does not display anything despite all other system components functioning well. Discuss any TWO possible faults and their causes. [4 Marks]

SECTION B (Choose any THREE questions)

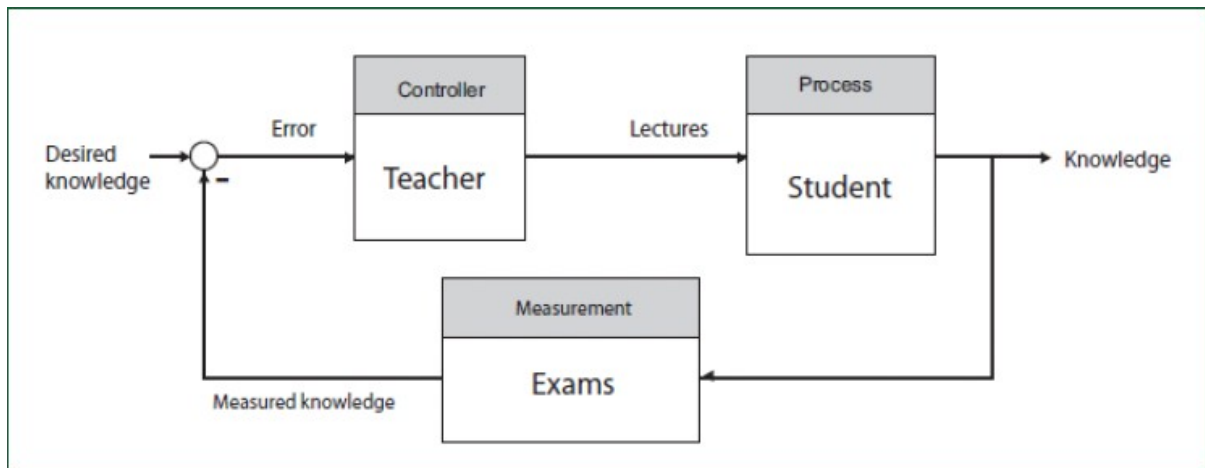
Question two

- a) Linda who is a lab technician intends to increase the number of processors in one of the computers at the laboratory. Identify and explain **FOUR** things she should consider before proceeding. [8 Marks]
- b) "Cloud networking" is one the fast-emerging trends in networking".Confer [2 Marks]

Question three

- a) You have been selected as a consultant of ABX company and are to install their network given the following components: three servers, 50 PCs, and two printers discuss the criteria you will use in installing their network [8 Marks]
- b) Outline any **FOUR** gadgets you will purchase to install the above network [2 Marks]

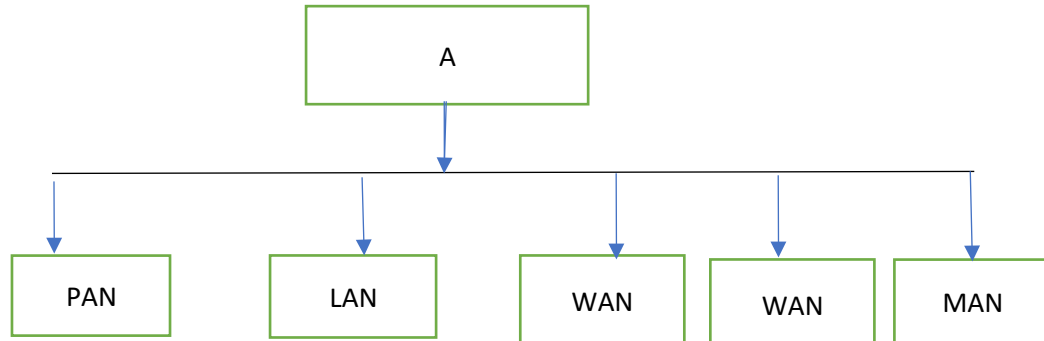
Question four



Use the diagram above to answer the following questions;

- a) Identify the type of control system shown above [2 Marks]
- b) Discuss any four components shown [8 Marks]

Question five



- a) Identify letter A [2 Marks]
- b) Discuss any **FOUR** advantages and any **FOUR** disadvantages of letter A. [8 Marks]

Question six

- a) Michael is a technician and he plans to do a preventive maintenance at his workplace, discuss any **FOUR** activities that he will perform during this activity period

[8 Marks]

- b) Give **TWO** precautions that Michael has to keep in mind during this process

[2Marks]