



PAN AFRICA CHRISTIAN UNIVERSITY
SCHOOL OF LEADERSHIP, BUSINESS AND TECHNOLOGY
END OF SEMESTER EXAMINATION FOR DIPLOMA IN
INFORMATION & COMMUNICATION TECHNOLOGY
JAN-APRIL 2022

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: DICT0111

CAMPUS: ROYSAMBU

COURSE TITLE: INTRODUCTION TO COMPUTERS & OPERATING SYSTEMS

EXAM DATE: 4th APRIL 2022

TIME: 08.00AM-11.00AM

DURATION: 3 HOURS

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**.

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SECTION -A 10 Marks (Answer ALL questions in this section)

QUESTION ONE:

- a) You have been requested to teach on the different types of computers. Name and explain two types you would mention. **[4 Marks].**
- b) You have been hired as the IT Technician for Marvel Institute of Technology and your first assignment is to set up a computer laboratory network. Mention some of the computer and network components you are likely to come across in accomplishing this assignment. **[2 Marks].**
- c) PAC University ICT Lab Data has been exposed to a virus. As an IT student advice 2 ways to prevent its spread within the whole school. **[2 Marks].**
- d) Joe, an IT intern, has been requested to give advice on the type of printer to acquire for their office. He happened to have mentioned Impact and Non Impact Printers. Differentiate between the two. **[2 Marks].**

SECTION B: 30 Marks(Answer any THREE(3) questions in this section)

QUESTION TWO

- a) Explain 5 reasons why file management is considered an important process in computers. **[5 Marks].**
- b) Every computer is exposed to a risk whether it is a virus or unauthorized access. Explain 5 measures you would put in place to ensure the risk is managed. **[5 Marks].**

QUESTION THREE

All products sold in Roymatt Supermarket must be keyed in the Computer before they are handed out to customers. As part of the team responsible for keeping these records, discuss any 5 computer components you would utilize to input data into the Point Of Sale Database. **[10 Marks].**

QUESTION FOUR

- a) You have been hired by G4S Security to provide 5 different ways you would network their control rooms across Nairobi City. Explain the different topologies you would mention giving their advantages and disadvantages. **[10 Marks].**

QUESTION FIVE

Marie is an IT Technician at Dynasoft Technologies Company. The management has decided to procure new softwares and hardware for the company. As the IT expert for the company, explain 5 categories of software that Marie is likely to advise the management on? **[10 Marks]**

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QUESTION SIX

- a) Computer Operating Systems are very essential and powerful. Elaborate any 5 reasons why it is important to install Windows 10/Ubuntu Operating Systems in your computer.[10 Marks].