



PAN AFRICA CHRISTIAN UNIVERSITY

END OF SEMESTER EXAMINATION FOR DIPLOMA IN COMMUNICATION SEPTEMBER-DECEMBER 2025 SEMESTER

DEPARTMENT: **COMPUTING & INFORMATION**

TECHNOLOGY COURSE CODE: **DCM102**

CAMPUS: **ROYSAMBU**

COURSE TITLE: **INFORMATION & COMMUNICATION**

TECHNOLOGY

INSTRUCTIONS

- This exam script has **THREE (3)** sections.
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other Two questions in Section **B**.

SECTION A: (Answer ALL questions in this section)

QUESTION ONE (10 MARKS)

- a) Describe four impacts of the Internet on modern society. **(8 marks)**
- b) ICT technician wants to minimize illegal entry of people to a computer laboratory. Outline two measures which have to be put in place in order to curb this illegal entry. **(2 marks)**

SECTION B: (Answer any THREE (3) questions in this section)**QUESTION TWO (10 MARKS)**

- a) Demonstrate how you would coordinate real-time collaboration using cloud tools such as Google Docs/Microsoft Word to avoid duplication and version conflicts. **(6 marks)**
- b) A large company is planning to network its computers with a provision for centralized access to its data resources. Justifying your answer, identify two computer personnel who would be required to achieve the company's objectives. **(4 Marks)**

QUESTION THREE (10 MARKS)

Analyze four common online security threats and propose appropriate mitigation strategies **(10 marks)**

QUESTION FOUR (10 MARKS)

- a) Jubilee Company Ltd has advertised for sale a personal computer with the following specifications: *4GB RAM, 200GB hard disk and DVD drive*. Explain each of the devices listed in the specifications. **(6 marks)**
- b) You have been tasked to acquire output devices. Describe a device that you would choose in order to prepare each of the following outputs:
 - i. Display notes on a wall during a conference **(2 Marks)**
 - ii. Maps of regions in a county **(2 Marks)**

QUESTION FIVE (10 MARKS)

- a) An Information Services company wishes to seek advice on software and hardware procurement. At the onset they would wish to;
 - i. Do type-setting for printing firms for calendars, brochures, Newspapers etc.
 - ii. Create a database for consultant doctors in the city center with details of qualifications, address and phone numbers, fee charged, visiting times.Identify two most appropriate application software for the company justifying your answer. **(4 Marks)**
- b) Mukoko Enterprise Ltd wishes to acquire a printer for one of their offices. Outline four criteria that could be used while selecting the printer. **(4 Marks)**
- c) Distinguish between application software and system software. **(2 marks)**