



PAN AFRICA CHRISTIAN UNIVERSITY

DIPLOMA IN COMMUNICATION

SPECIAL EXAMINATION

DEPARTMENT: COMPUTING AND INFORMATION TECHNOLOGY
COURSE CODE: DCM102
COURSE TITLE: INFORMATION COMMUNICATION & TECHNOLOGY
CAMPUS: ROYSAMBU
EXAM DATE: XXXXX XXXXX/AUGUST,2020
TIME: XXXXX

INSTRUCTIONS

- Read all questions carefully before attempting.
- Answer any four questions.
- Write only your **student** number on the answer booklet provided.

SECTION A
(Answer any four questions)

Question 1:

a) Tom observed that a certain computer has peripheral that are not physically connected to the system unit using cables but they could still communicate with it effectively. Explain this phenomenon. **[2 Marks]**

b) Figure 1 shows the stages of data processing in a manual examination system. Use it to answer the questions that follows.

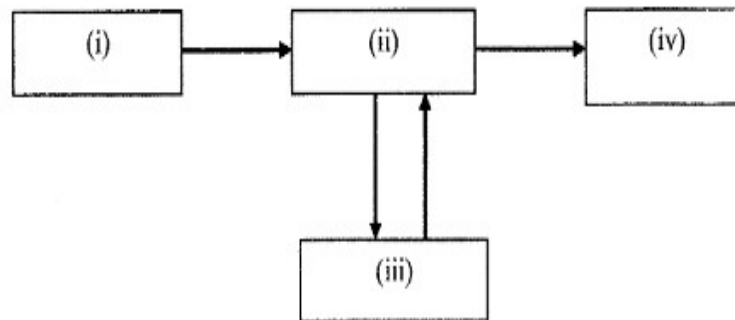


Figure 1

Assume that the exams have been done and marked, explain the stages labeled(i), (ii), (iii), and (iv) with reference to processing of examination results. **[8 Marks]**

Question 2:

a) 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]**

b) Mary intends to computerize operations in her supermarkets. Explain three types of data capture devices that could be used in the system. **[6 Marks]**

Question 3:

a) ICT technician wants to minimize illegal entry of people to a computer laboratory. Explain two measures which have to put in place in order to curb this illegal entry.

[2 Marks]

b) XYZ Ltd wishes to acquire a printer for the office use. Outline four criteria that could be used while selecting the printer. **[4 Marks]**

c) Peter has been tasked to acquire output devices. Describe a device that he 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 4:

"Computers have changed today's ways of life". Discuss. **[10 Marks]**

Question 5:

a) Itch 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 specification. **[6 Marks]**

b) You are a consultant with a computer software firm. ABC Information Services wishes to seek your advice on software and hardware procurement. At the onset they would wish to;

1. Do type-setting for printing firms for calendars, brochures, Newspapers etc.
2. 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]**

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