

**INSTITUTE OF CERTIFIED PUBLIC  
ACCOUNTANTS OF UGANDA**

**INFORMATION TECHNOLOGY - PAPER 5 (i)  
(60 marks)**

**DECEMBER 1997**

**INSTRUCTIONS TO CANDIDATES**

1. **Time allowed : 2 hours 30 minutes**
2. **Attempt all questions in Section A and any three questions from Section B.**
3. **Section A has ten compulsory questions with a total of 15 marks.**
4. **Section B has five questions and only three questions are to be attempted. Each question carries 15 marks.**
5. **Please read further instructions on the answer book.**

**Section A**

**Attempt all the questions in this section.**

**Question 1** Which of the following functions is not carried out by the "peripheral units" of a computer:

- a) input
- b) secondary storage
- c) arithmetic operations
- d) output

**Question 2** Which of the following is not an input device:

- a) mouse
- b) keyboard
- c) printer
- d) diskette drive

**Question 3** Which of the following is not a data storage medium:

- a) magnetic disk
- b) VDU
- c) paper tape
- d) magnetic tape

**Question 4** Which of the following is a major function of computer networks:

- a) software development
- b) data sharing
- c) desktop publishing
- d) word processing

**Question 5** A major difference between DOS and UNIX Operating Systems is that:

- a) DOS is a multi-user Operating System
- b) DOS is not used on microcomputers
- c) UNIX is a multi-user Operating System
- d) UNIX is easier to learn and use

**Question 6** Which of the following is not a characteristic of most application programs:-

- a) they are written in machine code
- b) they are usually not supplied with the computer
- c) they are developed by third parties
- d) they solve specific business problems

**Question 7** Which of the following is an example of a utility program:

- a) a payroll program
- b) a stock control program
- c) a data compression program
- d) a sales forecasting program

**Question 8** Which of the following is not a programming language:

- a) BASIC
- b) C
- c) ASCII
- d) COBOL

**Question 9** Which of the following is an example of an advanced function in an accounting package:-

- a) keeping books of primary entry
- b) making journal entries
- c) posting
- d) bank reconciliation

**Question 10** Which of the following is the major advantage that GUIs have over "command-line" interfaces:

- a) GUIs allow the user more control over the operation of the computer
- b) GUIs require the use of a keyboard
- c) GUIs do not require the user to memorise commands
- d) GUIs make computers run faster

**SECTION B**

Answer three (3) questions from this section.

- Question 1** Give a diagrammatic representation of the logical structure of a computer. Give one example of each of the peripheral units included in your diagram.
- Question 2** What is the difference between "off-the-shelf" and "customised" software? Which one is likely to be more expensive and why?
- Question 3** What are the main alternative approaches available when developing a business information system?
- Question 4** What are some of the risks of storing information on computers and how can they be minimised?
- Question 5** What are some of the ethical/legal issues raised by the global networking of computers?