



UGANDA MARTYRS UNIVERSITY-MBALE BRANCH
FACULTY OF BUSINESS ADMINISTRATION AND MANAGEMENT
SEMESTER II -2017/18 EXAMINATIONS

CSC 1204: INTRODUCTION TO INFORMATION SYSTEMS

Date: ----/MAY/2017

Time allowed 3 hours: 0:00 AM – 0:00 PM

Instructions to Candidates:

This paper contains two parts: Section A and Section B.

Section A is **COMPULSORY**. 25% of the total marks may be gained from section A. Section B contains four questions. Candidates must complete **THREE** questions only from this section. 75% of the marks may be gained from Section B.

Read the following before answering the examination questions.

- 1) Read each question carefully before you answer.
- 2) Apportion your time according to the marks allocated for the question.
- 3) Apportion your time equally between Section A and B.
- 4) Answer the questions that you feel you can obtain the most marks for, but you must ensure that you attempt the compulsory questions.
- 5) Number the answers to the questions clearly before answering.
- 6) Please write as neatly as possible as illegible handwriting cannot be marked.
- 7) Do not write anything on this question paper.

SECTION A:**[25 Marks]**

- 1a).** Define the following terms:-
- i). Information Technology (2 marks)
 - ii). Computer based information system (2 marks)
- b)i).** What Is Information Security? (2 marks)
- ii). To fully understand the importance of information security, you need to know the elements of an information system. With the help of a diagram, give an illustration of an information system, showing all its components. (3 marks)
- 2).** Explain the four functions that a computer can do, giving examples of what it uses to accomplish the functions mentioned above. (4 marks)
- 3).** Discuss the types of information systems found at all levels of management in an organization. (6 marks)
- 4).** Specify some of the outstanding:
- i). Advantages of information systems? (3 marks)
 - ii). Disadvantages of information systems? (3 marks)

SECTION B:**Attempt any THREE questions from this section.****[75 MARKS]**

- 1a).** Explain the stages involved in the development of an information systems. (10 marks)
- b). There are lots of threats to Information Systems and therefore lots of controls are required. Decision on which controls to use is based upon the likelihood of threat and cost. Identify any three (3) controls used in organizations to that effect. (9 marks)
- 2a).** Explain ways through which you would protect your information system if it crashes. (15 marks)
- b). Explain some of the challenges that an organization faces given that the information systems used are online. (10 marks)
- 3i).** In order to realize value, there must be an assessment of an Information System (IS). For implementation, we have both tangible & intangible benefits of Information System. Give examples of the following: -
- a). Any five (5) tangible benefits of Information Systems. (10 marks)
 - b). Any three (3) intangible benefits of Information Systems. (6 marks)
- ii). State and explain some of the threats that data and Information Systems face in an Organization like UMU. (9 marks)
- 4a).** Write term "SDLC" in full (1 marks)
- b). Give an appropriate definition of the SDLC. (2 marks)
- c). Why was the SDLC developed and for what used was it in organizations (10 marks)
- d). In your view, what could be some of the factors affecting the development of quality information in the various organizations? (12 marks)

The End & Good Luck