

UGANDA MARTYRS UNIVERSITY

RUBAGA, NKOZI, MASAKA

FACULTY OF BUSINESS ADMINISTRATION AND MANAGEMENT

END OF SEMESTER I, 2023/24 EXAMINATION

PROGRAMS: BAM, BPSCM, BSC ACC & FIN

YEAR OF STUDY: 1

COURSE UNIT: INTRODUCTION TO INFORMATION SYSTEMS

COURSE CODE: CSC1206

DATE:

TIME: 3 HRS

EXAMINATION INSTRUCTIONS:

- i. Answer all questions in section A**
- ii. Answer only three questions in section B**

SECTION A

Answer all questions in this section

Question one

- a) Differentiate between data and information (4 marks)
- b) Give two examples of data (2 marks)
- c) Explain three sources of primary data (6 marks)
- d) Outline three activities performed in system implementation stage of the system development life cycle (3 marks)
- e) Explain five characteristics of valuable information (10 marks)



SECTION B

Answer only three questions in this section

Question two

- a) Describe the concept of Management Information System (MIS) and explain why Organizations should use MIS (5 Marks)
- b) Explain five (5) major benefits of using Computerized Information Systems over File Based Systems (10 Marks)
- c) What are the challenges that arise in the adoption of Information Systems as an enabling technology in organizations (10 Marks)

Question three

- a) The major aim of a database system is to provide users with an abstract view of data, hiding certain details of how data is stored and manipulated and a database is now such an integral part of our day-to-day life. Differentiate between Workgroup and single-user databases (4 marks)
- b) Explain one important feature of a database (2 mark)
- c) Describe three limitations of Computerized file-based systems (6 marks)
- d) Explain what is meant by the term DBMS (2 marks)
- e) List two users in the Database Environment. (2 marks)
- f) Identify three advantages of database management systems (3 marks)
- g) Write a short note on each of the following data management evolution terms. (6 marks)
 - i. Manual filing systems
 - ii. Computerized file-based systems
 - iii. Database

Question four

- a) Information systems have made many businesses successful today. Some companies would not exist without information technology. Describe five components of a computer-based information system. (10 marks)
- b) Elaborate on the levels of management in the organizations today and the corresponding information systems that support the activities performed at each level (6 marks)
- c) Identify four information systems that support the major functional areas of the business (4 marks)
- d) Define the term transaction processing system (1 mark)
- e) Differentiate between batch and on-line processing (4 marks)

Question Five

- a) Discuss the concept of Feasibility Analysis and explain why should organizations carry out a feasibility study? (10 Marks)
- b) Uganda Martyrs University is planning to acquire a Students Attendance Management Information System, you have been identified to undertake a feasibility analysis to evaluate the available alternatives and choose the most optimal project. Discuss the steps you would take and cite examples of feasibility studies you would consider. (15 Marks)

Question Six

- a) What do you understand by a Transaction Processing System as used in information systems (2 marks)
- b) Describe 4 examples of Transaction processing Systems as applied by different businesses for different organizations (8 marks)
- c) Clearly explain how information systems enable companies to achieve a competitive advantage (10 marks)
- d) Describe any 5 different types of information storage. Give examples for each storage type. (5 marks)

END