

UGANDA MARTYRS UNIVERSITY

UNIVERSITY EXAMINATIONS

END OF SEMESTER II EXAMINATIONS

MAY 2024

THIRD YEAR EXAMINATION FOR BAM III

ADVANCED INFORMATION SYSTEMS AND E-COMMERCE

Course Code: CSC 3204

DATE: Monday 13th May 2024

TIME: 9:30am – 12:30pm

DURATION: 3HRS

Instructions:

- *Do not write anything on this question paper.*
- *Write neatly and show all workings clearly.*
- *Start every question on a new page.*
- *Clearly state the question number attempted.*
- *Answer any **Four (4)** questions.*
- *All questions carry equal marks.*

Question One

- a) In order for a company to carry out online business, an information system must be recommended for such a company. Explain 10 elements of a successful Information system. **(10 marks)**
- b) What risks do you face if your core application (mobile transactions) are unavailable for a day, week, or longer, as a business person? **(5 marks)**
- c) Explain five e-payment methods in Uganda today and the positive impact it has caused on the economy currently. **(10 marks)**

Question Two

- a) Discuss ways in which an organization can utilize Business to Business E-commerce to improve business. **(10 marks)**
- b) Explain the terms Strategic Information System and E- business. **(5 marks)**
- c) The company you are working with is struggling during the lock down and you are invited to make a presentation on how to use strategic information system to regain business. Make a presentation to the management on how best they can operate using strategic information systems. **(10 marks)**

Question Three

- a) Explain how E- payments have enabled growth of businesses in Uganda today. **(10 marks)**
- b) Explain 3 security measures put in place to safe guard these E-payment methods. **(3 marks)**
- c) Explain the term Re-engineering and give 4 reasons why a business may go through that process. **(12 marks)**

Question Four

- a) A company is undergoing a lot of competition. Discuss ways in which a company can gain a competitive advantage in business using Information systems under the different frameworks.
 - i) Value chain Analysis ii) SWOT iii) Competitive forces **(10 marks)**
- b) Explain how Information system projects are procured, selected and contracted. **(10 marks)**

- c) The success or failure of well-designed and technically elegant system can depend on the way they are operated and used. Explain five training methods you can apply to train the users of the system in an organization. **(5 marks)**

Question Five

- a) List any one software or business application that is currently used in your area of study (either accounting, marketing or procurement) and then explain its benefits to the organization. **(10 marks)**
- b) Explain the challenges that may be faced in implementing or installing such software in the organization and explain how the challenges can be dealt with. **(8 marks)**
- c) Give reasons why your business needs a good database. **(7 marks)**

Question Six

- a) Define an information system. **(2 marks)**
- b) Requirements determination involves studying the existing system and gathering details to find out what are the requirements, how it works, and where improvements should be made. Explain the various information gathering techniques used to determine the information requirements of an organization used by analysts. **(10 marks)**
- c) Identify and describe any three (3) conversion methods of implementing information systems, giving advantages and disadvantages of using each of the methods you have identified above. **(13 marks)**

Question Seven

- a) Define the following terms: **(6marks)**
- i) Internet
 - ii) Intranet
 - iii) Extranet
- b) Discuss any two benefits of using the Internet as a communication and information-sharing platform. **(4 marks)**
- c) Outline three main reasons for the growth and widespread use of the Internet in modern society. **(7 marks)**
- d) Identify and explain the challenges faced by developing countries in adopting and leveraging the Internet for socio-economic development. **(8 marks)**

GOOD LUCK.