

Uganda Martyrs University NKOZI

UNIVERSITY EXAMINATIONS

FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER SCIENCE &
INFORMATION SYSTEMS

END OF MODULE FINAL ASSESSMENT

MICT-I & II, 2023/24

ICT Acquisition and Management

Course Code: MICT 6102

DATE: 11th November 2023

TIME: 9:30 - 12: 30 Pm

DURATION: 3 HRS

Instructions:

1. Carefully read through ALL the questions before attempting
 2. Attempt only four questions
 3. No names should be written anywhere on the examination book.
 4. Ensure that your Reg number is indicated on all pages of the examination answer booklet.
 5. Ensure your work is clear and readable. Untidy work shall be penalized
 6. Any type of examination Malpractice will lead to automatic disqualification
 7. Do not write anything on the questions paper.
 8. Endeavour to answer the examination by explaining your points through examples as much as possible.
 9. Start answering each number on a separate page
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QUESTION ONE:

BMG Enterprises is a successful textile manufacturing company in Uganda. It has a customer turnover of about 1.5 million people and a work force of 300 people. Of the 300 employees, about one third are field staff in charge of marketing, sales and research. The rest take up the other departments like administration, manufacturing, ICT and so on. As the ICT Manager for BMG Enterprises, discuss the reasons and/or circumstances under which:

- (a) You would advise management to externally source the company's ICT infrastructure.
- (b) You would advise management against outsourcing and instead insource ICT infrastructure.

(25 marks)

QUESTION TWO:

- (a) As ICT manager, you have finally convinced top management and other staff of your organisation to internally develop your own Information System. You have decided to use the RAD (Rapid Application Development) model. With industry-based examples or otherwise, discuss how RAD would be used. Outline the possible categories you could employ, citing their pros and cons.
- (b) In the event that your colleagues are not convinced on the use of RAD, you interest them in another option, Extreme Programming (XP). Briefly discuss its characteristics and what you would avail to them as its pros and cons.

(25 marks)

QUESTION THREE:

According to some literature sources, one of the most common motives (objectives) of acquiring systems are listed as;

- Developing new capabilities
- Increasing strategic options
- Gaining efficiency improvements
- Responding to competitive environment

Discuss how each of these would cost the company in terms of finances, time, and human resource effort.

(25 marks)

QUESTION FOUR:

Amongst the ICT fraternity, it is famously believed that managing ICT infrastructure is becoming a nightmare to organisations and businesses. In your own words and from your own experience, make a discussion of what you think are the challenges faced by ICT Managers or personnel in managing ICT Infrastructure.

Feel free to give as many examples as possible to enable us understand your views.

(25 marks)

QUESTION FIVE:

You are the ICT Manager of a very successful firm running a very competitive business in the country. Management has tasked you to come up with a 5 page write up on the option of whether to externally source or internally build ICT systems. How would write up look like?

The best practice ICT Acquisition process is normally effected through the following primary steps:

- Request and approval process
- Asset selection process
- Negotiations process
- Contract terms and conditions
- Redeployment process

Explain in detail what is involved in each of these processes. Give examples where possible.

(25 marks)

THE END