

UGANDA MARTYRS UNIVERSITY

NKOZI

UNIVERSITY EXAMINATION

DECEMBER 2022

FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION

SYSTEMS

THIRD YEAR, END OF SEMESTER ONE FINAL ASSESSMENT

FOR

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY & BACHELOR OF

SCIENCE GENERAL

IN

INFORMATION SYSTEMS PROJECT MANAGEMENT

Date: 16TH DECEMBER 2022

TIME: 9:30 – 12:30 PM

Time: 3 Hours

Instructions

EXAMINATION GUIDELINES

All questions in Sections carry equal Marks.
Attempt only 4 questions in section.

Question 1

With examples, define the following terminologies; (2 Marks each)

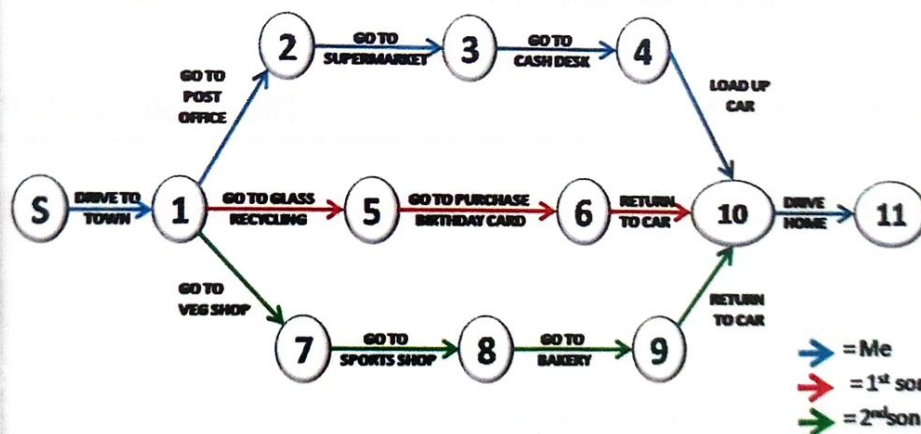
- Information systems
- Project management
- A project
- A system

b) Define system change over and give four (4) approaches of the notion that any existing company in the field of technology can adopt. (10 Marks)

c) As a professional project manager from Uganda Martyrs University, define three (3) factors that influence the initiation of an Information systems Project. (7 Marks)

Question 2

a) Explain the process below and identify the critical path



b) You have to manage a project with activities and their respective durations as listed in Table 1 below: (5 Marks)

Activity	Immediate Predecessor	Duration (months)
A	None	2
B	A	4
C	A	2
D	B	2
E	B, C	4
F	A, E	6
G	D	4
H	D, E, F	2
I	G, H	6
J	H, F	6
K	H, I, J	4

- i) Construct a precedence diagram to analyze your project. (4 Marks)
- ii) What is the project duration? (2 Marks)
- iii) What are the critical activities? (4 Marks)
- iv) Show the critical path on your precedence diagram. (2 Marks)
- v) When is the latest time that activity G must be completed in order that the project is not delayed? (4 Marks)
- vi) When is the earliest time that activity D can possibly be completed? (2 Marks)
- vii) What is the free float for activity E with respect to activity H? (2 Marks)

Question 3

- a) Give;
 - i) Five (5) attributes of a project. (5 Marks)
 - ii) Five (5) roles of an Information systems project manager. (5 Marks)
- b) Give Five (5) reasons why there is a need to study project management by all Bachelor of science in Information Technology from Uganda Martyrs University? (5 Marks)
- c) Describe the triple constraints of project management (6 Marks)
- d) Define the term information and give 2 attributes of good information that can help project managers perform better tasks that can influence effective decision making on any information systems project. (4 Marks)

Question 4

- a) Define the term project stakeholders (2 Marks)
- b) Identify five key influential stakeholders in the Moodle learning management system project that Umu launched as a pedagogy for enhancing teaching and learning. (5 Marks)
- c) Give two types of risks that are most likely to affect the above project in (b) above and give approaches on how they can be resolved professionally. (4 Marks)
- d) Give 3 tools that you would recommend any professional project manager to use during remote project task management. (6 Marks)

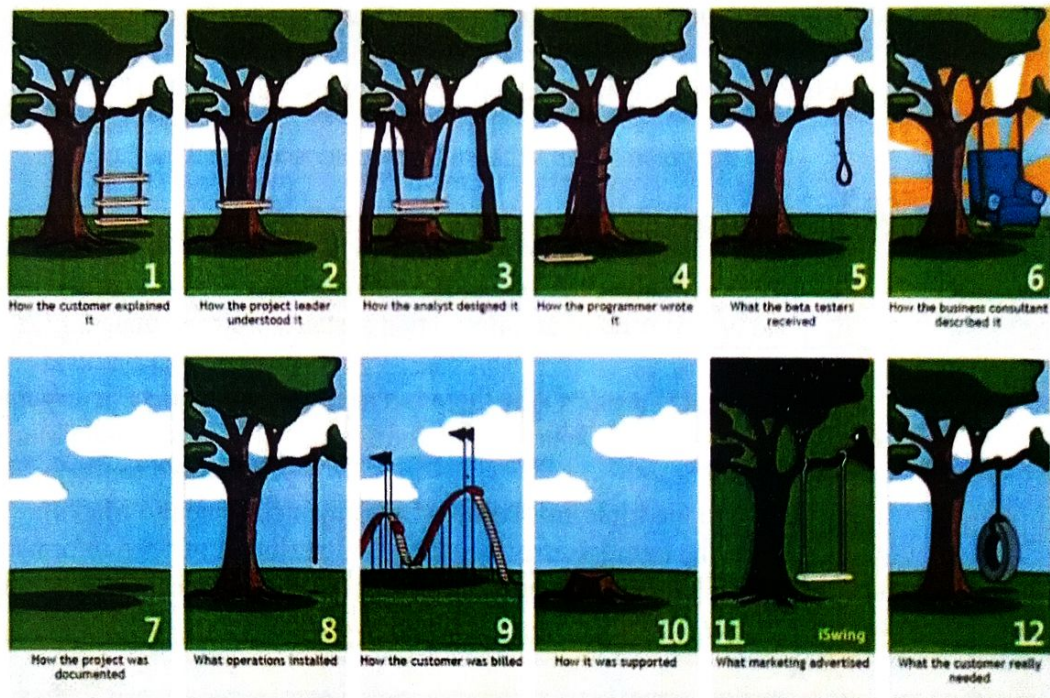
- e) Give 4 factors that determine the success of an information system Projects. (8 Marks)

Question 5

- a) Describe a systems development life cycle with 2 activities at each stage. (25 Marks)

Question 6

- a) As a professional project manager of already existing company in the digital era, requirements gathering is of key while trying to understand user needs for any system, which fact finding method would you recommend your team to use in order to achieve success? Give 4 reasons for your answer. (10 Marks)
- b) As a professional project manager, use the illustration below and make a write up indicating what, how, why, when and to whom the problem escalated from the image below; (15 Marks)



Question 7

- a) Explain any Three Organizational factors that affect the success of IT projects (06 marks)
- b) Describe any four Project management Process Groups (08 marks)
- c) Describe any THREE characteristics of a project (6marks)
- d) Mention Any five project management knowledge areas (5 marks)

END