MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

SIT 401: INFORMATION SYSTEM MANAGEMENT

DATE: 24/7/2017 **TIME: 2:00 – 4:00 PM**

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30 MARKS)

a) Write the four main goals of project management (2 marks)

b) Define the term portfolio analysis (2 marks)

c) Explain the term strategic planning (2 marks)

d) State any two advantages and any two disadvantage of portfolio analysis (4 marks)

e) State any three benefits provided to an organization by strategic planning (3 marks)

f) Name and explain the suite of sub-process groups that are part of any IT procurement process model that is a representation of the process (8 marks)

g) With the aid of a diagram, explain the three levels of strategic planning hierarchy including examples/deliverables in each level (9 marks)

QUESTION TWO (20 MARKS)

a) Name and explain **the two** types of evidence that audit techniques may be grouped into , despite the audit techniques being numerous or diverse (4 marks)

b) Name and explain **any four** phases that information system auditing has gone through/ goes through/ can be classified as (8 marks)

c) With the aid of a table or a script, please explain the components/ structure of a request for proposal document.

QUESTION THREE (20 MARKS)

a) Explain the term phase as used in software project management (2 marks)

b) Explain the term milestone as used in software project management (2 marks)

c) Name any two project management tools and provide an explanation of each including its description and value that it adds to the project manager (6 marks)

d) With the aid of a diagram, explain the project planning process (10 marks)

QUESTION FOUR (20 MARKS)

a) Briefly explain **any three** competitive strategies that can be used by a business to combat the various competitive forces that assail it. (6 marks)

b) With the aid of a diagram, explain the concept of a business model as applied to a business organisation (8 marks)

c) With the aid of a diagram, explain the concept of an organizations value chain (6 marks)

QUESTION FIVE (20 MARKS)

a) Name and explain the steps that are undertaken during business portfolio analysis. (10 marks)

b) With the aid of a diagram explain the concept of enterprise architecture and apply its use to enterprise wide strategic planning (10 marks)