



KENYA METHODIST UNIVERSITY

END OF 1ST TRIMESTER 2010 EXAMINATIONS

FACULTY : **COMPUTING AND INFORMATICS**
DEPARTMENT : **COMPUTER INFORMATION SYSTEMS**
UNIT CODE : **CISY 404**
UNIT TITLE : **INFORMATION SYSTEMS PROJECT MANAGEMENT**
TIME : **2 HOURS**

Instructions:

- Answer question 1 and any other 2 questions.

Question 1

- a) Define the following concepts in relation to project management;
- Project (3 mks)
 - Project Management (2 mks)
 - Scope Creep (2 mks)
 - Project Methodology (2 mks)
 - Feature Creep (2 mks)
- b) List and explain five project parameters that operate on every project. (5 mks)
- c) Explain what is meant by escalation in the context of a systems development project and how it may be detrimental to quality? (4 mks)
- d) Explain how the use of models such as the capability maturity model leads to increased software quality. (4 mks)
- e)
 - Explain what is meant by adaptive project frameworks. (2 mks)
 - Explain two limitations of the adaptive project approach in developing information systems. (4 mks)

Question 2

As an IT Project Manager and a team leader in an upcoming project at IATech Consultant Ltd, you have had your initial meeting with the sponsor of your project where you were given the Terms of Reference or Project Brief and asked to produce your estimates of time and cost for the project.

- Name and describe in details highlighting their differences, four estimating methods that could be used. (12 mks)
- What factors may influence the estimating process and assess how these may influence the project. (5 mks)
- What three reasons would you conclude are crucial to effective project management in terms of estimate documentation for convincing the team that this step is essential? (3 mks)

Question 3

- a) Compare and contrast a project and operational work based on their attributes. (4 mks)
- b) Identify and differentiate the five ways of classifying projects in an organization. (5 mks)
- c) State any two benefits of developing a project plan. (2 mks)
- d) As an IT Project Manager you need to recruit staff for the project set-up. The first step that you decide to take is to develop job descriptions and person specification. Provide a list of headings that you would use for;
 - i) Job description (2 mks)
 - ii) Person specification (2 mks)
- e) Using these headings, decide on a brief Job Description for a Junior Programmer for your project. (5 mks)

Question 4

- a) What is a risk register as used in project management? (2 mks)
- b) Name and briefly describe four methods for monitoring the quality requirements in a specification are being met. (8 mks)
- c) As an IT Project Manager at IATech Consultant Ltd. Describe five skills that you as a Project Manager need in order to successfully complete the project, highlighting why each skill is necessary. (5 mks)
- d) List the key elements of a project plan. (5 mks)