



**THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE**

**(A Constituent College of JKUAT)**

(A Centre of Excellence)

# **Faculty of Engineering & Technology**

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY**

**UNIVERSITY EXAMINATION FOR DEGREE IN BACHELOR OF  
TECHNOLOGY IN INFORMATION TECHNOLOGY**

(BTIT M11)

**EIT 4308: ICT PROJECT MANAGEMENT**

**SPECIAL/SUPPLEMENTARY EXAMINATION**

**SERIES: OCTOBER 2012**

**TIME: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer question **ONE** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

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**SECTION A (COMPULSORY)**

**Question One (30 marks)**

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|--|------------|
| a) Define the term project.  | (2 marks)  |
| b) Name and explain <b>SIX</b> characteristics of a project.         | (12 marks) |
| c) What is project management?                                       | (2 marks)  |
| d) What are the common challenges experienced by project management? | (7 marks)  |
| e) Explain in detail how to measure project success.                 | (7 marks)  |
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**SECTION B (Answer Any Two Questions)**

**Question Two (20 marks)**

- a) What is the meaning of the work program as used in projects/ (3 marks)
- b) Define the term Risk Management? (2 marks)
- c) What are the **FOUR** states of risk management planning? (5 marks)
- d) What is the criterion used to test the completeness of work breakdown structures? (10 marks)

**Question Three (20 marks)**

- a) Explain in detail giving relevant example where applicable the FIVE project dimensions. (10 marks)
- b) What is project management methodology? (2 marks)
- c) Explain any **FOUR** project scope management processes. (8 marks)

**Question Four (20 marks)**

- a) What is the meaning of the word milestone as used in project management? (2 marks)
- b) EABL listed the following activities in respect to a project.

Activity	Preceding Activity	Duration (Days)	No. of Staff
A	-	2	6
B	A	3	2
C	A	5	4
D	A	8	2
E	B	6	6
F	C	1	5
G	C	2	3
H	C,D	3	3
I	E,F	7	4
J	G,H	4	5
K	I,J	5	4

- i) What is the meaning of the phrase “critical path”? (2 marks)
- ii) Draw a network diagram and determine the critical path. (6 marks)
- iii) Draw a Resource Aggregation Profile and establish the Minimum number of staff required for the project. (10 marks)

**Question Five (20 marks)**

- a) What is project crashing? **(2 marks)**
- b) What is a work breakdown structure and of what importance is it to the project manager? **(10 marks)**
- c) List and explain **FOUR** project tools. **(8 marks)**