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

<u>**Instructions to Candidates:**</u>
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

<u>**SECTION A (COMPULSORY)**</u>

Question One (30 marks)

a) Define the term project.   **(2 marks)**
b) Name and explain **SIX** 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)**

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)**