TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR DEGREE IN:
BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY
(BTIT 13M/S & 12J & BSIT 13J)

EIT 4308: ICT PROJECT MANAGEMENT

BIT 2215: PROJECT MANAGEMENT

END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2014
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
- *Answer Booklet*
This paper consists of **FIVE** questions. Attempt question **ONE (Compulsory)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

Question One (Compulsory)

a) Outline FOUR key characteristics of projects **(4 marks)**

b) Describe 'baseline scope' **(6 marks)**

c) Differentiate between Top-down and Bottom-up cost estimation, giving situations in which they are applied **(5 marks)**

d) Describe a Work Breakdown structure **(6 marks)**

e) Explain the relationship between budge and schedule overshoots **(5 marks)**

f) Outline FOUR guidelines that help improve a project manager communications **(4 marks)**

Question Two

a) List FOUR indicators of project failure **(4 marks)**

b) Explain the indicators in (a) above **(16 marks)**

Question Three

a) Explain the significance of monitoring and control **(4 marks)**

b) List FOUR activities given monitoring priority **(4 marks)**

c) Explain how the following are used to get a project back on track **(12 marks)**
   (i)   Shortening the critical path
   (ii) Reconsidering precedence requirement

Question Four

a) Outline THREE risk types to be found in projects **(6 marks)**

b) Describe the following categories of risk factors **(10 marks)**
   (i)   Application factors
   (ii) Staff factors
   (iii) Project factors
   (iv) Hardware/Software factors

c) Describe TWO strategies employed in managing risks **(4 marks)**

Question Five

a) Draw a complete precedence network given the following data: **(16 marks)**

Task	Precedence	Time
a	-	5
b	-	4
c	a	6
d	b	2
e	b	5
f	f,d	8

b) Determine the project duration and critical path **(4 marks)**