



TECHNICAL UNIVERSITY OF MOMBASA
INSTITUTE OF COMPUTING AND INFORMATICS

Select department

UNIVERSITY EXAMINATION FOR:
BACHELOR OF TECHNOLOGY IN INFORMATION
COMMUNICATION TECHNOLOGY
EIT 4308: ICT PROJECT MANAGEMENT
SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2HOURS

DATE: Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

- a) Explain the following terms
- i) Project stakeholder (3 Marks)
 - ii) Scope verification (3 marks)
 - iii) Crashing a schedule (4 Marks)
 - iv) Explain why a group is preferred in solving high impact problems despite the fact that it takes longer compared to an individual. (3 Marks)
 - v) Project (2 Marks)
- b) Explain the departure of IT projects from other conventional projects (6 marks)
- c) Briefly outline the three main activities that constitute project management(6 Marks)
- d) Describe the factors used in controlling a project (3 marks)

2. a) List four competences necessary for the position of project manager (4 marks)
 b) Describe the organizational impact factors that need to be assessed at the feasibility stage (8 Marks)
 c) Describe four major tasks necessary in the preparation of an overall estimate for a project (8 Marks)
3. a) Define risk (2 Marks)
 b) Outline three risk types to be found on Project (6 marks)
 c) Describe four categories of risk factors in ICT projects (8 marks)
 d) Describe two strategies employed in managing risk (4 Marks)
4. a) Describe the key inputs in an activity definition (4 Marks)
 b) Draw a network diagram depicting the following information (12 marks)

Tasks	Precedence	Time
a	-	3 weeks
b	-	5 weeks
c	a	7 weeks
d	b	5 weeks
e	c, d	6 weeks
f	b	4 weeks
g	b	8 weeks
h	c, d	4 weeks
i	e, f	3 weeks

- c) i) Determine the critical path (4 Marks)
 ii) What is the duration of the project?
5. Explain the best mode of communication for the following
- a) A developer needs clarification of what is meant by a particular term used in a specification (5 Marks)
- b) The users of a system have found what appears to be a fault in a software application that they use (5 Marks)
- c) Explain the following risks in project management (6 Marks)
- i) New technology

ii) Poor requirement specification

d) Differentiate between bottom-up and top-down estimates

(4 Marks)