

RAJARATA UNIVERSITY OF SRI LANKA FACULTY OF APPLIED SCIENCES

BSc (Three Year) Degree in Information Communication Technology
Third Year Semester I Examination, October/November 2015

ICT3205 - INFORMATION TECHNOLOGY PROJECT MANAGEMENT

(Theory Paper)

Time allowed: 2 hours	
Examination Index No:	

Important Instructions:

- This paper has 4 questions in 14 pages.
- Answer all questions (25 marks each).
- Write your answers in English using the space provided in this question paper.
- Do not tear off any part of this question paper.
- Note that questions appear on both sides of the paper.
- If a page is not printed, please inform the supervisor immediately.

To be completed by the examiners:

	Question numbers			Total Marks	
Questions	1	2	3	4	
Marks	- 141				

	What is a deliverable in a software project? (1 Mark)
	What is a deriverable in a software project: (1 mark)

i.	State why following project management activities are important for an IT Company (3 Marks)
taff	ing:
Direc	ting:
Mon	itoring:
ii.	Why reference management tools are important in technical writing? (4 Marks)
v.	What is project proposal? (2 Marks)

ack of standards			
Changing software enviro	nment		
side Barrier Citylio	·····Ciic		
Deadline pressure			
nadequate specification o	of work		
			HE.
ack of communication be	tween users and	technicians ·	

Sketch a diagram to depict the steps in project management. (10 Me	arks)
	8
6	
	*

Index Number:	

Question 02

Answer questions from (i) to (v) using the Work Breakdown Structure given in Figure 1.

Activity	Duration (weeks)	Precedence
A: Requirement Analysis	5	
B: Coding	3	Α
C: System Design	3	Α
D: Documentation	3	В
E: Component Integration	3	B,C
F: Testing	6	D,E

Figure 1 - Work Breakdown Structure

i. Model the <u>Network Diagram</u> for Work Breakdown Structure given in Figure 1. Clearly label the activity nodes. (3 Marks)

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ii. Find the <u>Earliest Start/End dates</u> and <u>Latest Start/End dates</u> for each activity. (6 Marks)

Activity	Earliest Start Date	Earliest End Date	Latest Start Date	Latest End date
A				
В				
С				
D				
E				
F				

	Activity	Activity Float
	A	
	В	
	С	
	D	
	E	
	F	
v.		t for the work break down structure depicted in Figure 1. Clear cies in your Gantt chart. (5 Marks)
·Re	Weeks (0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
	oding	
	stem Design	
	ocumentation	
	mponent Integration	***
	sting	
v.	_	nts in the Gantt chart which you modelled in Question 2 part (i ples that can be produced as outcomes at those milestones.

	How will the change described in Question 2 part (vi) affect the final software which deployed in this project? (2 Marks)
	99
-	
	Write an activity that can apply to minimize the critical path of a project. (1 Mark)
	write an activity that can apply to minimize the critical path of a project. (1 Mark)

	Index Number:
	ation 02
ues	stion 03
i.	What is resource leveling in project management? (2 Marks)
ii.	How are resource histograms useful in software project management? (2 Marks)
ii.	Justify the following statement "Power is the potential ability to influence t
	behavior to get people to do things." (4 Marks)

	Sketch a diagram of the Work Definition and Assignment Process. Clearly inputs process output of each step of the process. (5 Marks)	label th
		-
v.	Discuss about Covey's third habit: "Put first thing first" with respect to following	ng
	topics. (6 Marks)	
	t does "Put first thing first" mean by with respect to the software project agement	
	t does "Put first thing first" mean by with respect to the software project	*
nana	t does "Put first thing first" mean by with respect to the software project	16
nana	t does "Put first thing first" mean by with respect to the software project agement	16

De ou	escribe the main steat tput of each step of	ps of project co the cost manage	st management ement process.	t process. Clea (6 Marks)	rly state the in	put
						4
	42					

ne:	stion 04
i.	In software projects, which activities require high prioritized monitoring? (2 Marks)
ii.	State four good practices that we need to follow during a meeting. (4 Marks)
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	Faculty of Applied of St. Rajaraia University of St. Minintale.
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ii.	State four major activities that must be performed in software project documentation. (2 Marks)
ii.	State four major activities that must be performed in software project documentation.
ii.	State four major activities that must be performed in software project documentation.
ii.	State four major activities that must be performed in software project documentation.
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ii.	State four major activities that must be performed in software project documentation.
iii.	State four major activities that must be performed in software project documentation.

Significant changes in user requirements		
How does it effect on project?		
Minimization Method:		
Loss of power or internet connection at key rol	ll-out, demo or training e	vents
How does it effect on project?		
Minimization Method:		
Dear intro project communications		
Poor intra-project communications		
How does it effect on project?		
Minimization Method:		*
Inadequate training		
How does it effect on project?		
Minimization Method:		

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Justify following statement using suitable examples "A risk is an uncertain event condition which causes either a negative or a positive effect on one or more proj
objectives" (4 Marks)