

TRIBHUVAN UNIVERSITY
INSTITUTE OF ENGINEERING
Examination Control Division
Model

Exam	Regular		
Level	BE/BAR	Full Marks	60
Program	BEI	Pass Marks	24
Year/Part	III/II	Time	3 Hrs.

Subject: - ICT Project Management ENCT 355

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt **All** questions.
- ✓ The figures in the margin indicate **Full Marks.**
- ✓ Assume suitable data if necessary.

Q.N.		Questions	Marks	Chapter No.																											
1	a.	Define project management in the context of ICT. Make a layout of project management framework as per PMI.	1+2	1																											
	b.	List out the various project management knowledge areas. Differentiate project life cycle from product life cycle.	2+2	1																											
2	a.	What are the general management skills expected from a good ICT project Manager?	4	2																											
	b.	Explain PMI talent triangle for ICT project Management.	4	2																											
3	a.	What is a project charter? Show the association of organization's project, program and portfolio.	3+4	3,4,5,6																											
	b.	List out the process involved in project scope management.	4	3,4,5,6																											
4	a.	Calculate critical path for the activities shown in table below. Also calculate slack periods. <table><tr><td>Activity</td><td>Predecessor</td><td>Duration(days)</td></tr><tr><td>A</td><td>-</td><td>3</td></tr><tr><td>B</td><td>A</td><td>3</td></tr><tr><td>C</td><td>A</td><td>1</td></tr><tr><td>D</td><td>B</td><td>4</td></tr><tr><td>E</td><td>C</td><td>2</td></tr><tr><td>F</td><td>C</td><td>3</td></tr><tr><td>G</td><td>D,E</td><td>5</td></tr><tr><td>H</td><td>F,G</td><td>4</td></tr></table>	Activity	Predecessor	Duration(days)	A	-	3	B	A	3	C	A	1	D	B	4	E	C	2	F	C	3	G	D,E	5	H	F,G	4	5	7
Activity	Predecessor	Duration(days)																													
A	-	3																													
B	A	3																													
C	A	1																													
D	B	4																													
E	C	2																													
F	C	3																													
G	D,E	5																													
H	F,G	4																													
	b.	What are the different types of activity precedence relationship?	3	7																											
5	a.	Explain rough-order of magnitude estimate.	3	8																											
	b.	Express the significance of planned value, actual cost and earned value in earned value management scheme.	4	8																											
6	a.	List out the common tools for quality control especially for an ICT project.	5	9,10,11																											

	b.	What would be the benefits of software risk management practice?	4	9,10,11
7		Write short notes on: (any two) a. Make-or-Buy Analysis b. Expectations Management Matrix c. Project Management Maturity Models	2 x5	12,13, 14

Good Luck!!!