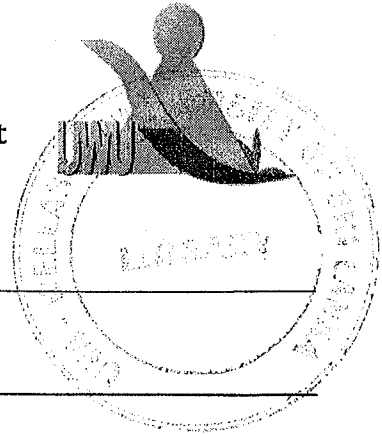


Uva Wellassa University, Sri Lanka
End Semester Examination – January 2010
SCT 391-1 Project Formulation and Management

Time: One (01) hour



Total 03(three) questions
Answer all questions

- 01) I. What is a Project? Discuss the advantages of a project over a program. Give four examples for projects. (marks 08)
- II. Who is a Project manager? What are his responsibilities? (marks 08)
- III. What are the phases of a Project? (marks 04)
- 02) Write short notes on five from the list given below.
- I. Project Life Cycle
- II. Three roles of project manager
- III. Project manager as a baby sitter
- IV. Scope management
- V. Critical Activity
- VI. Crash potential
- VII. Responsibility Assignment Matrix (RAM) (marks 20)

03) Refer to the table given below.

No	Activity	Predecessor	Duration in weeks		Cost (Rs)		Crashing Potential
			Normal	Crash	Normal	Crash	
1	A	-	4	2	4000	7000	2
2	B	A	3	2	3000	4000	1
3	C	-	2	2	2000	2000	X
4	D	-	5	3	2000	5000	2
5	E	D	2	1	2000	4000	1
6	F	E	1	1	1000	1000	X
7	G	B,D	3	2	3000	8000	1
8	H	A,C	3	2	3000	5000	1
9	I	E	2	1	2000	3000	1
10	J	B,H	2	1	3000	5000	X

- I. Draw the network diagram using Activity-On-Arrow method and find the critical path. Illustrate the method clearly
(marks 20)
- II. Find the probability rate of crashing for each activity.
(marks 15)
- III. Crash the project to 8 weeks. Show the steps clearly.
(marks 25)