Uva Wellassa University

Faculty of Management

Degree of Bachelor of Business Management in Entrepreneurship and Management

THIRD YEAR SECOND SEMESTER EXAMINATION –AUGUST/SEPTEMBER 2011

EMG 373 -2 Project Management

Instructions to candidates:

No. of pages : Five (05)
No. of questions : Five (05) Structured
: Three (03) Essay
Time allocation : One (01) hour and forty (40) minutes
Marks allocated : 85 Marks

Index Number:

Part C – Essay Questions

Answer **only two (02)** questions.

Marks allocated for part C: 50 Marks

1. i). What is project management? (4 marks)

   ii) Explain the term "project stakeholders" with appropriate examples (5 marks)

   iii) Explain the triple constraints in project management. (6 marks)

   iv) Explain the work breakdown structure using an example from a small project. (6 marks)

   v) Discuss the decision rule for IRR project evaluation method. (4 marks)

2. i) Explain the term "project appraisal" (5 marks)

   ii) List five (05) aspects based on which projects may be appraised. (5 marks)

   iii) Suppose the Sri Lankan Government has identified the following projects to generate power for future and the score is given for each weighting criteria respectively.

Weight	Capital Availability 0.4	Expertise Knowledge 0.3	Environmental Concern 0.15	Socio-economic impact 0.15
Project Option	**Score**	**Score**	**Score**	**Score**
Hydro power	2	3	3	4
Thermal energy	3	3	1	2
Nuclear power	1	2	3	3
Renewable energy	1	2	4	1

You are required to:
Appraise the above power project options with the given weighted scores and recommend the government suitable power generation options with justifications. (12 marks)

   iv) What are the benefits of having multiple project evaluation criteria? (3 marks)

3. i) What are the steps of PERT analysis? (4 marks)

ii) Explain the advantages of PERT. (4 marks)

iii) Calculate the expected time for the following project and draw the network diagram using AoN technique. (12 marks)

iv) Identify the activities on the critical path and show the activities with slack time of this project. (5 marks)

Task ID	Task Description	Prerequisites	Optimistic Duration	Most Likely Duration	Pessimistic Duration
A	Build internal components	None	1	2	3
B	Modify roof and floor	None	2	3	4
C	Construct collection stack	A	1	2	3
D	Pour concrete and install frame	B	2	4	6
E	Build high-temperature burner	C	1	4	7
F	Install control system	C	1	2	9
G	Install air pollution device	D,E	3	4	11
H	Inspection and testing	F, G	1	2	3