

EASTERN UNIVERSITY SRI LANKA
FACULTY OF COMMERCE AND MANAGEMENT
FINAL YEAR FIRST SEMESTER EXAMINATION IN BACHELOR OF BUSINESS
ADMINISTRATION- 2017/2018 (PROPER/REPEAT) (January- 2020)

MGT 4023 Project Management

Answer all five Questions

Time: 3 hours

Q1.

- a) *“Project Management is the application of knowledge, skills, tools, and techniques applied to project activities in order to meet the project requirements. Project Management is a process that includes planning, putting the project plan into action, and measuring progress and performance.”*

Based on the above statement, define and differentiate the term “Project” and “Programme” with appropriate example.

(04 Marks)

- b) *“Project identification is the first recognizable state in the Project cycle”*

Based on the above statement, explain the stages of project identification with appropriate example.

(Marks 05)

- c) *“Project development is the process and the facility of planning, organizing, coordinating, and controlling the resources to accomplish specific goals.”*

Explain how the Means-End analysis could be used for effective project development.

(Marks 05)

- d) *“Project formulation is the process of presenting a project idea in a form in which it can be subjected to comparative assessment.”*

Based on the above statement, explain the major factors need to be considered in assessing the feasibility of a project.

(08 Marks)

(Total 22 Marks)

Q2

- a) *“Developing the work breakdown structure (WBS) is the most critical part of a Project. If we do this part right, the rest is comparatively easy. How do you ensure that you’ve done this right? Each activity must possess specific characteristics that are considered complete.”*

Based on the above statement, explain how the work breakdown structure helps the project manager and the project team to visualize exactly how the work on the project can be defined and managed effectively..

(Mar)

- b) *“Activity duration is a random variable. Because we cannot know what factors will be operative when work is underway on an activity, we cannot know exactly how long it will take.”*

Based on the above statement, explain how the various factors causes variation in actual activity duration

(Mar)

- c) *“Once project work is underway, you want to make sure that it proceeds according to plan. To do this, you need to establish a reporting system that keeps you informed of the many variables that describe how the project is proceeding compared to the plan.”*

Based on the above statement, explain the characteristics of a reporting system that keeps you informed of the many variables that describe the status of the project.

(Mar)

(Total 18)

- Q3 a) *“Closing the project is routine once we have the customer’s approval of the deliverables.”*

Based on the above statement list and explain the steps to be followed in closing a project.

(Mar)

- b) *“Evaluation is an important instrument to measure the validity of a project.”*

In view of the above statement, explain the factors that should be used to judge the project. Also, mention the technique that should be used to evaluate projects.

(06 M)

- c) *“The Logical Framework Approach (LFA) will be used for formulating and preparing development programmes and Projects. Logical frameworks logically summarize what the project intends to do and how, the key assumptions, and outputs and outcomes that will be monitored and evaluated.”*

Based on the above statement, explain the advantages of logical Framework to the project monitors.

(Marks 06)

(Total 18 Marks)

Q4 BACKGROUND

The Building Complex of the English Language Teaching Unit (ELTU) of the Eastern University Sri Lanka is nearing completion and it is planning to shift the activities of the ELTU to the new building. This task was handed over to the Maintenance division of the Eastern University Sri Lanka. The division had a discussion with the faculty officials and drawn up a tentative plan to complete the task. The table below shows a list of the required activities, with their immediate predecessors, estimated Human resources and durations.

The table below shows a list of the required activities, with their immediate predecessors, estimated Human resources and durations to complete the project.

<i>Activity</i>	<i>Preceding activity</i>	<i>Duration (days)</i>	<i>No. of men</i>
<i>A</i>	-	2	5
<i>B</i>	<i>A</i>	3	6
<i>C</i>	<i>A</i>	4	4
<i>D</i>	<i>A</i>	2	6
<i>E</i>	<i>D</i>	4	8
<i>F</i>	<i>B,C,D</i>	2	5
<i>G</i>	<i>C</i>	6	4
<i>H</i>	<i>B</i>	6	7
<i>I</i>	<i>F</i>	5	3
<i>J</i>	<i>G, E</i>	4	3
<i>K</i>	<i>B,I, J</i>	4	6
<i>L</i>	<i>G, E</i>	3	2
<i>M</i>	<i>H,K,L</i>	3	11

- a) Draw up the network diagram and identify the critical path and the normal duration of the project. (14 marks)
- b) Based on the above information, calculate the total human resource required for this project. (02 marks)
- c) If the human resource availability is 16 men per day, how would you adjust the activities to complete the project on normal duration? (06 marks)

(Total 22 marks)