



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. in Information Technology
Third Year - Semester I Examination – July/August 2023

ICT 3205 – INFORMATION TECHNOLOGY PROJECT MANAGMENT

Time: Two (02) hours

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- There are five (05) questions in two (02) pages.
 - Answer **FOUR (04)** questions
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1.
 - a) What is a project? (03 marks)
 - b) What is Project Management? (06 marks)
 - c) In a project environment project manager becomes the link between the strategy and the team. Discuss how this is achieved considering the role & responsibility of a Project Manager. (10 marks)
 - d) Name three (03) ways a project end can be achieved. (06 marks)

2.
 - a) Who are categorized as stakeholders of a project? Give four (04) examples for project stakeholders and explain their evolvment in a project environment. (10 marks)
 - b) List the risk strategies that are used to manage positive and negative risks. (05 marks)
 - c) Name three (03) requirement gathering techniques and briefly explain them. (06 marks)
 - d) What is project milestone? How is it different from a schedule activity? (04 marks)

3.
 - a) What is the WBS in project management? Discuss two approaches that can be taken to create the WBS in a project? (06 marks)
 - b) Show the four (04) types of logical relationships using precedence diagramming method represented by activity-on node. (05 marks)
 - c) What is resource leveling? Discuss the impact of resource leveling in a project plan with an example. (08 marks)
 - d) Explain why "Plan Cost Management" is important for a project? (06 marks)

4.
 - a) What is the critical path of a project? (02 marks)
 - b) What is schedule compression? Explain the two (02) techniques used to compress schedule. (06 marks)
 - c) What are the outcomes of managing the quality of a project? (06 marks)
 - d) What is Earned Value Management? (05 marks)
 - e) The risk attitudes of both the organization and the stakeholders may be influenced by several factors, which are broadly classified into three (03) themes. Name each theme category with the brief explanation. (06 marks)

5.
 - a) Explain what a predictive life cycle and an adoptive life cycle are, and the key difference between them. (05 marks)
 - b) An organization's culture, style, and structure influence how its projects are performed. Compare the below listed five (05) project characteristics using the functional, balanced matrix & projectized organizational structure. (15 marks)
 - I. Project Managers Authority
 - II. Resource availability
 - III. Who manage the project budget
 - IV. Project managers role
 - V. Project Management administrative staff
 - c) Using a graph, explain how the cost & staffing level vary during the different phases of the project life cycle. (05 marks)

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