



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF BUSINESS ADMINISTRATION

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (ELECTRICAL AND ELECTRONICS ENGINEERING)

BACHELOR OF SCIENCE (MECHANICAL ENGINEERING)

BACHELOR OF SCIENCE (CIVIL ENGINEERING)

ECU 401: PROJECT MANAGEMENT

DATE: 9/12/2019

TIME: 11.00-1.00 PM

INSTRUCTIONS:

Answer Question ONE and any other TWO Questions.

QUESTION ONE (30 MARKS)

- a) Explain three characteristics of a project. (6 marks)
- b) Describe the process of project management. (6 marks)
- c) You have attended an interview for consideration as a Project Manager and one of the determinants of your success is to outline causes of project failure. What would be your answer? (6 marks)
- d) When managing a project, conflicts within a project team is bound to occur. Outline the skills such a manager is expected to have. (4 marks)
- e) You are about to embark on a new project and you have some trainees on the team. Clearly explain to them the inter-task dependencies. (8 marks)

QUESTION TWO (20 MARKS)

- a) You are the Project Manager of Switch Contractors and a potential client has asked you to explain to her the measures of success for a project. Clearly examine the constraints. (10 marks)
- b) Describe to your new team, the factors to consider in managing risks for a new project. (10 marks)

QUESTION THREE (20 MARKS)

- a) Every project manager wants to see the project successfully completed but sometimes it's not possible. Explain causes of unnatural project termination. (8 marks)
- b) A feasibility study is based on organizational desire to "get it right" before committing resources, time, or budget. Explain the benefits of conducting a Feasibility Study. (8 marks)
- c) Outline any FOUR functions of a Project Manager. (4 marks)

QUESTION FOUR (20 MARKS)

The project manager and project team have one shared goal: to carry out the work of the project for the purpose of meeting the project's objectives. Discuss a standard projects' Life Cycle.

QUESTION FIVE (20 MARKS)

- a) Explain clearly what a Gantt Chart is. (4 marks)
- b) There are many variations of CPM/PERT. Outline the main questions that CPM/PERT charts answer in planning and scheduling projects. (4 marks)
- c) Creating a comprehensive schedule is one of the more difficult activities that project managers face. Describe the six steps that a project manager can follow in order to create a successful schedule. (12 marks)