



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF BUSINESS ADMINISTRATION

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN ELECTRICAL AND ELECTRONIC ENGINEERING

BACHELOR OF SCIENCE IN BUILDING AND CIVIL ENGINEERING

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

ECU 401: PROJECT MANAGEMENT

DATE: 10/8/2021

TIME: 2.00-4.00 PM

INSTRUCTIONS:

Answer question one and any other two questions.

QUESTION ONE (30 MARKS)

- a) Outline any FOUR functions of a Project Manager. (4 marks)
- b) Distinguish the process of project management from project planning. (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) Conflicts within a projects' teams are bound to occur in any project no matter how well you plan. Evaluate the skills that a project manager is expected to have to overcome conflicts. (8 marks)
- e) You are the Project Manager on a new road construction project and you are holding a planning meeting. Clearly explain to the teams the concept of inter-task dependencies and use a diagram in the process. (6 marks)

QUESTION TWO (20 MARKS)

- a) 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. Outline a standard projects' Life Cycle. (10 marks)
- b) Creating a comprehensive schedule is one of the more difficult activities that project managers face. Describe the steps that a project manager can follow in order to create a successful schedule. (10 marks)

QUESTION THREE (20 MARKS)

- a) You have been given the task of inducting interns on a project you are involved in. Explain to them the main questions that CPM/PERT charts answer in planning and scheduling projects. (8 marks)
- b) Describe any FIVE aspects of the technical appraisal that are carried out during project appraisal. (10 marks)

QUESTION FOUR (20 MARKS)

Elaborate the steps you would take to help you improve your chances of success in the project you have been contracted to manage.

QUESTION FIVE (20 MARKS)

- a) Analyze any FIVE benefits you would obtain from using Project and Task Management Software. (10 marks)
- b) A feasibility analysis evaluates the project's potential for success; therefore, perceived objectivity is an essential factor in the credibility of the study for potential investors and lending institutions. Explain briefly, the FIVE types of feasibility study that you can carry out to enable you succeed in your project. (10 marks)