



# MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF BUSINESS ADMINISTRATION

FOURTH YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR  
BACHELOR OF SCIENCE IN ELECTRICAL AND ELECTRONICS ENGINEERING

ECU 401 PROJECT MANAGEMENT

DATE:

TIME:

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## INSTRUCTIONS:

Answer Question ONE and any other TWO Questions.

1.
  - a) Briefly explain the FOUR phases of a project life cycle. (4 marks)
  - b) Describe the steps you may follow in planning a project. (10 marks)
  - c) Describe a Work Breakdown Structure and the relationships among the subunits. (10 marks)
  - d) When planning the time dimension in a project, there are different tools used to display the relationships. Outline two of them. (6 marks)
  
2.
  - a) Differentiate between project monitoring and project evaluation. (4 marks)
  - b) With the use of a sketch, describe the CPM/PERT network. (8 marks)
  - c) A good monitoring and evaluation system consists of four interlinked parts. Clearly outline these parts, (8 marks)
  
3.
  - a) Explain with examples, the meaning of a baseline study. (4 marks)
  - b) Explain THREE circumstances under which project evaluation can be carried out. (6 marks)

- c) Before attempting to use or know about project management tools, the project's information must be assembled in a certain way. It includes a basic description of the preceding steps. Outline these pre project activities. (10 marks)
4. a) Discuss the main questions you would advise a project manager to raise when planning costs, scheduling manpower and machine time. (10 marks)
- b) Explain any FIVE guidelines you would give to a project manager when he is negotiating for materials, supplies and services. (10 marks)
5. Projects in general are carried out under difficult circumstances involving many different people for many different reasons and all sorts of resources are necessary. Expectations from all stakeholders are usually high and differences are bound to arise. Discuss with relevant examples common sources of differences in managing a public project. (20 marks)