



MACHAKOS UNIVERSITY

University Examinations for 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FIFTH YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE (ELECTRICAL AND ELECTRONICS ENGINEERING)

EEE 503: INDUSTRIAL MANAGEMENT

DATE:

TIME:

Instructions to candidates:

This paper consists of FIVE Questions.

Answer Question ONE [30 Marks] and any other TWO Questions [20 Marks Each].

Write your college number on the answer sheet.

This paper consists of 3 printed pages

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

QUESTION ONE (30MARKS)

- a) Discuss various factor that affect productivity in the manufacturing sector (3 marks)
- b) Highlight the features of intermittent system in the chain of the production (2 marks)
- c) According to Harold Koontz, explain how management is defined hence state the role of management (4 marks)
- d) Explain the role of manager as per Henry Mintzberg recommendation to organization (4 marks)
- e) Explain the major role played by Fayol and Taylor in relation to scientific management and administration (4 marks)
- f) Incumbent industries and new entrant firm are facing major challenges in reference to decision making. Explain different kinds of challenge that most of these organization are facing (4 marks)
- g) Discuss briefly the three classes plan formulated for any organization (3 marks)
- h) Highlight the advantages of having budgetary control techniques (4 marks)
- i) Explain the concept of game theory as one of forecasting techniques in business set up (2 marks)

QUESTION TWO (20 MARKS)

- a) Explain three different kinds of measuring productivity in a processing sector (6 marks)
- b) Discuss the features of a continuous type of manufacturing system hence explain how it differs with intermittent system (8 marks)
- c) Describe briefly how Luther Gullick structured management functionality to suit any organization set up (6 marks)

QUESTION THREE (20 MARKS)

- a) A group of youthful Engineers are intending to set up a firm that can be rendering services in the field of electrical installation. Discuss various factors that need to be considered before setting up a business (8 marks)
- b) Planning is an intellectual process that conscious determine the course of action. Describe how planning process attributes to goal realization in an organization (5 marks)
- c) Organization process establishes the relationship among the members of enterprise where by organization gets involved group identification, dividing them among the individual and creating authority and responsibility among them to accomplishment of organization objective. Describe the devised step in achieving the organization process (7 marks)

QUESTION FOUR (20 MARKS)

- a) Describe various ways of motivating hardworking employee in any the processing and manufacturing sector. (8 marks)
- b) Discuss the characteristic, advantages and disadvantages in any of leadership style in our core of organization (12 marks)

QUESTION FIVE (20 MARKS)

- a) Describe how the firm set up can be strengthened through capacity planning, resource allocation and scheduling. (8 marks)
- b) Explain three models that have been devised as the forecasting tool in the processing and manufacturing sector. (12 marks)