



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

UNIVERSITY ORDINARY EXAMINATION

2020/2021 ACADEMIC YEAR

**FOURTH YEAR SECOND SEMESTER EXAMINATION FOR BACHELOR OF
TECHNOLOGY IN ELECTRICAL AND ELECTRONIC ENGINEERING**

ECT 401 – INDUSTRIAL ORGANISATION AND MANAGEMENT

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Answer question ONE and Any two questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

QUESTION ONE

- a) State and explain five functional roles of management. (10marks)
- b) List four characteristics of management principles. (4marks)
- c) Outline any five objectives of plant maintenance. (5marks)
- d) State any four types of management practices. (4marks)
- e) Describe five functions of production planning and control. (5marks)
- f) List two advantages of preventive maintenance. (2marks)

SECTION B

QUESTION TWO

- a) Describe five salient features of bureaucracy. (5marks)
- b) State and explain five qualities of a manager. (10marks)
- c) With the aid of a neat labelled sketch illustrate process layout and describe the importance to plant maintenance. (5marks)

QUESTION THREE

- a) Discuss five principles of plant layout and their importance to the general organization of then plant. (10 marks)
- b) State and explain four types of inventories. (8marks)
- c) Briefly describe two functions of human resource management. (2marks)

QUESTION FOUR

- a) State four objectives of carrying out method study. (4marks)
- b) State and explain four major reasons for having Human resource management at Macro level. (8marks)
- c) With the aid of a diagram describe product layout (Line layout) (6marks)
- d) Outline two important factors required in determination of reliability. (2marks)