



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations for 2014/2015

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

EXAMINATION FOR DIPLOMA III
INDUSTRIAL ORGANIZATION AND MANAGEMENT

DATE:

TIME: 2 HRS

Instructions

1. a) State what is meant by maintenance of plant/machine. (2 marks)
b) Explain why maintenance is an important activity in organizations. (8 marks)
c) Describe the following types of plant maintenance.
 i) Preventive maintenance
 ii) Periodic maintenance
 iii) Planned maintenance
 iv) Shut down maintenance
 v) Crisis maintenance (10 marks)
2. a) Explain the difference between the following terms.
 i) Centralized maintenance
 ii) Decentralized maintenance
b) State the factors that affect plant reliability.
c) Explain five tasks that can be undertaken when carrying out maintenance of a plant.
3. A) Define the term procurement. (2 marks)
b) State the role of public procurement and disposal net. (2 marks)
c) Briefly explain four types of procurement methods. (2 marks)
4. A) Explain four store procedures (activities/duties). (8 marks)

- b) Explain five advantages of decentralized store. (5 marks)
 - c) State the duties of procurement department. (5 marks)
 - d) List documents used in store. (2 marks)
5. A) Explain four reasons for keeping adequate stock level in a manufacturing organization.

b) Record from Mapito production limited generated the following information.

Normal average usage 1500 units

Maximum usage 2200 units

Minimum usage 1100 units

Lead time 10-15 days

Economic order quantity – average level 2000 units.

Determine

Re – order level

Minimum level

Maximum level.

(12 marks)