



MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SECOND YEAR SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN
ELECTRICAL AND ELECTRONICS ENGINEERING

EPC 202: WORKSHOP ORGANIZATION AND MANAGEMENT

DATE:30/5/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

1.
 - a) Explain the need for health and safety at work. (4 marks)
 - b) List and explain five of the economic effect of health and safety at work. (10 marks)
 - c) Explain 3 of the 4 determinants of quality (6 marks)
 - d) State and Describe five consequences of poor quality? (10 marks)
2.
 - a) Explain the advantages of quality control (5 marks)
 - b) Describe the aims of inspection (5 marks)
 - c) State five functions of inspection? (5 marks)
 - d) List five types of inspection (5 marks)
3.
 - a)
 - i) Define a contract (2 marks)
 - ii) State and explain the five basic tests which comprise the basic elements of a contract? (10 marks)
 - b)
 - i) Explain the following terms as related to contracts. i) Express contract ii) Capacity. (4 marks)

- ii) State four grounds that can make a contract to be Void. (4 marks)
- 4.
 - a)
 - (i) Define maintenance (2 marks)
 - ii) Describe five most importance aspects of Maintenance (5 marks)
 - iii) State five effects of poor maintenance (5 marks)
 - b) Explain 4 duties of Maintenance (8 marks)
- 5.
 - a)
 - i) Differentiate between Preventive and Break down maintenance (8 marks)
 - ii) What are some 4 causes of breakdown in the industrial set up? (4 marks)
 - b) State and explain 4 objectives of preventive maintenance (4 marks)
 - c) How do we prevent accidents at work place 4 points? (4 marks)