



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF BUSINESS ADMINISTRATION

FIFTH YEAR SECOND SEMESTER EXAMINATION FOR  
BACHELOR OF SCIENCE (MECHANICAL ENGINEERING)  
EMM 512: MANUFACTURING RESOURCE MANAGEMENT

DATE: 19/10/2020

TIME: 8:30 – 10:30 AM

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## INSTRUCTIONS:

Answer Question One and Any Other Two Questions

### QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Manpower planning is carried out using a systems approach. Describe the four steps followed in undertaking this exercise  
(8 marks)
- b) Performance measurement plays a key role in quality and productivity improvement activities. Explain why this is so important to an organization. (5 marks)
- c) Outline five responsibilities of the supply management function of an organization (5 marks)
- d) Describe five types of costs according to their relevance in decision making. (10 marks)
- e) Differentiate between efficiency and effectiveness giving a formula on how each is calculated (2 marks)

### QUESTION TWO (20 MARKS)

- a) Explain the requirements of a successful JUST-IN-TIME (JIT) system. (10 marks)
- b) Describe five features of a good quality inventory management software. (10 marks)

### QUESTION THREE (20 MARKS)

- a) Describe the procedures followed in receiving inventories in store. (10 marks)
- b) Explain five measures that an organization can take to reduce its costs. (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Describe five employment tests carried on a potential candidate before invitation for the job interview. (10 marks)
- b) Explain five functions of Financial Management in an enterprise. (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain the functions of stores department of an enterprise. (10 marks)
- b) Explain five ways in which credit control can be enforced at invoicing stage (10 marks)