



# MACHAKOS UNIVERSITY

University Examination 2018/2019

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN

WORKSHOP ORGANIZATION AND MANAGEMENT

FIRST YEAR FIRST TERM EXAMINATION FOR

CRAFT 1 IN GARMENT MAKING

DATE:15/7/2019

TIME: 8:30 – 10:30 AM

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## INSTRUCTIONS

Answer all questions

Maximum Marks for each Part of a Question is as indicated

1. Explain the importance of the subject Workshop Organizations and Management to a fashion design student. (20 marks)
2.
  - i) Explain FIVE major Departments in a Textile manufacturing Industry
  - ii) Explain the function of each of the above five Departments listed above in (Q2(i)) (20 marks)
3.
  - a) Explain the meaning for the term work study. (5 marks)
  - b) State **SIX** reasons why work study is carried out in a manufacturing industry. (15 marks)
4.
  - a) Explain the steps followed when carrying out work study (10 marks)
  - b) Describe the following terms
    - i) Work measurement
    - ii) Method study (5 marks)
  - c) Explain the importance of carrying out work measurement and method study. (5 marks)

5. a) Explain the following terms
- i) Observed time
  - ii) Basic time
  - iii) Standard time
  - iv) Allowances (10 marks)
- b) Suppose the average of 25 observations of a worker is 30 seconds and the worker is rated at 120, what is the Basic time when standard rating is 100BS (5 marks)
- c) Calculate the basic time if the observed time is 0.16 minutes at a performance rating of 125 when standard rating is 100 BS (5 marks)