



MACHAKOS UNIVERSITY

University Examinations 2022/2023 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

THIRD YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (FASHION DESIGN AND MARKETING)

HFM 309: TECHNICAL DESIGN IN THE FASHION INDUSTRY

DATE:14/12/2022

TIME: 2:00 – 4:00P.M

INSTRUCTIONS

Answer **Question 1** and any other **TWO** questions

QUESTION ONE (30 MARKS)

- a) Define the following terms;
- | | |
|-------------------------|-----------|
| i. Work study | (2 marks) |
| ii. Plant layout | (2 Marks) |
| iii. Safety | (2 marks) |
| iv. Working environment | (2 marks) |
- b) Explain five (5) safety precautions observed in clothing factory. (5 marks)
- c) Explore five (5) characteristics of product quality. (5 marks)
- d) Explain five (5) roles played by a production manager (5 marks)
- e) Highlight five (5) benefits of quality control (5 marks)

QUESTION TWO (20MARKS)

Present to an interview panel the following production system;

- | | |
|------------------------------------|------------|
| a) Make through system | (10 marks) |
| b) Whole garment production system | (10 marks) |

QUESTION TWO (20 MARKS)

Discuss with other technical designers the procedure of performing a complete work study

QUESTION THREE (20MARKS)

As an auditor in fashion apparel industry, describe five (5) types of audits you are bound to use from time to time.

QUESTION THREE (20MARKS)

Present to your classmates;

- a) Five (5) advantages of process layout (10 marks)
- b) Five (5) disadvantages of process layout compared with product layout (10 marks)