



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

**SCHOOL OF HUMANITIES AND SOCIAL SCIENCES
DEPARTMENT OF FASHION DESIGN AND MARKETING
THIRD YEAR SUPPLEMENTARY /SPECIAL EXAMINATION FOR
BACHELOR OF SCIENCE IN FASHION DESIGN AND MARKETING**

HFM 309: TECHNICAL DESIGN IN THE FASHION INDUSTRY

DATE: 9/3/2023

TIME: 2.00 – 4.00 PM

INSTRUCTIONS

*Answer **question 1** (20 marks) and any other **TWO** questions. (15 marks each)*

QUESTION ONE

- a) Define the following:
 - i. Auditing. (2 marks)
 - ii. Work measurement. (2 marks)
 - iii. Costing. (2 marks)
 - iv. Combined layout. (2 marks)
- b) Describe five (5) roles played by a supervisor in Apparel industry. (5 marks)
- c) Explore five (5) advantages of a product layout. (5 marks)
- d) Explain five (5) consequences of deficiencies in the work environment. (5 marks)
- e) Elaborate on five (5) principles of a good plant layout. (5 marks)

QUESTION TWO

Discuss with your classmates ten (10) objectives of a good plant layout. (20 marks)

QUESTION THREE

Workshop safety is everyone's responsibility. Discuss ten (10) rules and regulations that must be observed in apparel workshop. (20 marks)

QUESTION FOUR

Present to an interview panel:

- i. The procedure of performing a complete work measurement. (10 marks)
- ii. Five (5) objectives of garment production system. (10 marks)

QUESTION FIVE

As a technical designer in the fashion industry:

- i. Discuss five (5) effects of quality control on production. (10 marks)
- ii. Three (3) advantages and two (2) disadvantages of fixed position layout. (10 marks)