



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

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

HFM 400:FUNCTIONAL APPAREL AND SPORTS WEAR

DATE: 7/3/2023

TIME: 8.30 – 10.30 AM

INSTRUCTIONS

This paper consists of **FIVE questions**.

Answer **Question 1** and any other **TWO** questions in Section B

Question 1 carries 20 marks

Question 2-5 carry 15 marks each

QUESTION ONE (20 MARKS)

- a) Define the following terms:
 - i. Functional clothing (2 Marks)
 - ii. Environment hazard (2 Marks)
- b) Explain to a colleague three major protective functions that rigid materials perform. (3 marks)
- c) Provide your classmate with a list of five factors that determine the visibility in functional apparel. (5 marks)
- d) Citing an appropriate example for each provide your employer with a list of three types of materials used in rigid armor. (3 marks)

- e) With appropriate examples, elaborate to your lecturer, five general functions of fastening systems. (5marks)

QUESTION TWO (15 MARKS)

Discuss five major assessments that you need to be carry out in order to come up with specifications for the design of functional apparel. (15 marks)

QUESTION THREE (15 MARKS)

You happen to travel to the arctic regions of the world, discuss five characteristics of clothing you would wear to such environments. (15 marks)

QUESTION FOUR (15 MARKS)

As a functional apparel designer in a sports company, explain five ways through which you can build expansion into garments. (15 marks)

QUESTION FIVE (15 MARKS)

Describe to your fellow course mate the classification of functional apparels. (15marks)