



# MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF HUMANITIES

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN FASHION DESIGN AND MARKETING

HFM 400:FUNCTIONAL APPAREL AND SPORTS WEAR

DATE: 25/8/2022

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)

- Explain three (3) major materials used to make impact protective items. (3 marks)
- Explain three (3) major protective functions that rigid materials perform. (3 marks)
- Highlight four (4) general characteristics of impact protective materials. (4 marks)
- Explain to classmate with a list of five factors that determine the visibility in functional apparel. (10 marks)

### QUESTION TWO (15 MARKS)

Citing appropriate examples in each case, discuss five ways through which you can build/create expansion into a garment.

### QUESTION THREE (15 MARKS)

Elaborate to your fellow course mate the design process of creating functional apparel.

**QUESTION FOUR (15 MARKS)**

Using appropriate examples in each case, elaborate five (5) importance of fastening systems used on functional apparel.

**QUESTION FIVE (15 MARKS)**

Explain to your course mate the characteristics of clothing needed in the environments experiencing negative zero and below degrees.