



MACHAKOS UNIVERSITY

University Examinations 2020/2021

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

FOURTH YEAR FIRST SEMESTER EXAMINATION

BACHELOR OF SCIENCE (FASHION DESIGN AND MARKETING)

HFM 400:FUNCTIONAL APPAREL AND SPORTS WEAR

DATE: 10/7/2021

TIME: 2:00 – 4:00 PM

INSTRUCTIONS

This paper consists of **FIVE** questions.

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

Question 1 carries 20 marks

Question 2-5 carry 15 marks each

QUESTION ONE (20 MARKS)

You have been assigned with the role of head designer in a functional apparel design studio.

- a) State three (3) major points that you must consider before fixing a fastener on a functional apparel (3 marks)
- b) Citing appropriate examples, explain to your colleague four (4) ways of increasing mobility in functional apparel. (4 marks)
- c) Provide your boss with a list of three (3) major materials used to form impact protective items (3 marks)
- d) Mention to a friend, five (5) ideal characteristics of fire retardant textiles (5 marks)
- e) State five (5) major assessments that you need to carry out in order to come up with specifications for the design of functional apparel. (5 marks)

QUESTION TWO (15 MARKS)

Norah is suffering from the following symptoms imposed by the environment she is living in;

- a) violent shivering
- b) drowsiness
- c) speech impairment
- d) loss of co-ordination and reasoning

- i) Identify the condition she is suffering from (1 mark)
- ii) Explain to a colleague the characteristics of clothing needed in the prevention of such occurrences (14 marks)

QUESTION THREE (15 MARKS)

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

QUESTION FOUR (15 MARKS)

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

QUESTION FIVE (15 MARKS)

Using appropriate examples in each case, elaborate five purposes of fastening systems used on functional apparel.