



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN FASHION DESIGN AND MARKETING

HFM 108: FASHION FABRICS

DATE: 6/5/2019

TIME: 8:30 – 10:30 AM

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 (COMPULSORY) (30 MARKS)

- a) Define the following fabric construction methods (5 marks)
- i) Knitting
 - ii) Weaving
 - iii) Non- wovens
 - iv) Braiding
 - v) Tufting
- b) Briefly explain the TWO (2) broad classifications of woven structures (4 marks)
- c) Highlight the TWO (2) types of knitting process (4 marks)
- d) Explain THREE (3) advantages of nonwovens in contrast to other methods of fabric formation (3 marks)
- e) Outline any TWO (2) sectors where braided fabrics are applied, giving an example in each sector. (4 marks)

QUESTION TWO (15 MARKS)

Discuss with your students, using illustrations, how a plain weave can be modified to achieve different designs giving the applications of each.

QUESTION THREE (15 MARKS)

As an expert in nonwoven processing, describe to a team of industry workers FIVE (5) methods of fiber bonding.

QUESTION FOUR (15 MARKS)

Discuss with your subordinates the process of loop formation using a latch needle during knitting process.

QUESTION FIVE (15 MARKS)

Explain to your business partner the various components of a tufted fabric.