



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN FASHION DESIGN AND MARKETING

HFM 100-INTRODUCTION TO TEXTILES

DATE: 4/12/2019

TIME: 2.00-4.00 PM

INSTRUCTIONS:

*This paper consists of **five** questions.*

*Answer Question one and any other **two** questions*

QUESTION ONE (30 MARKS)

- a) Determine four (4) reasons why consumers demand for cotton (4 marks)
- b) i. Elaborate five (5) steps in weaving? (5 marks)
ii. With the aid of diagrams, differentiate the following types of weaves (6 marks)
 - 1. plain weave
 - 2. Rib weave:
 - 3. basket weave
- c) Determine three (3) factors that determine diameter of polyester yarn (6 marks)
- d) Outline six (6) reasons for blending different types of fibers together (6 marks)
- e) Highlight three (3) objectives of the finishing process in fabrics (3 marks)

QUESTION TWO (20 MARKS)

Enlighten a fellow student about calendaring and discuss three (3) different types of calendaring finishes given to different types of textiles?

QUESTION THREE (20 MARKS)

Explain to a group of textile producers how silk fiber is produced

QUESTION FOUR (20 MARKS)

Using a table, elaborate to a new textile student the difference in characteristics between vegetable fibers and synthetic fiber.

QUESTION FIVE (20 MARKS)

You have been provided with a variety of yarn, discuss their classification.