



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 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: 23/2/2021

TIME: 8.30-10.30 AM

INSTRUCTIONS:

This paper consists of five (5) questions.

Answer question **One (1)** and any other **Two (2)** questions in this paper

Question 1 - 30 Marks

Question 2 -5 - 20 Marks Each

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Explain the objectives of the following finishes as used in textile industry;
- Weighting (2 marks)
 - Crimping (2 marks)
 - Singeing (2 marks)
 - Mercerizing (2 marks)
 - Sizing (2 marks)
- b) Illustrate two (2) types of twist in yarns. (4 marks)
- c) Explain four (4) reasons for blending and mixing fibres in a manufacturing firm. (4 marks)
- d) Elaborate on three (3) methods of fabric construction and give examples in each case. (6 marks)
- e) Explore three (3) byproducts of linen and explain one use of each. (6 marks)

QUESTION TWO (20 MARKS)

Discuss with a colleague three (3) types of chemical spinning and give two examples in each case.

QUESTION THREE (20 MARKS)

Explain to a first-year student in fashion design steps involved in the production and processing of cotton in Kenya.

QUESTION FOUR (20 MARKS)

Describe to an interview panel the production and processing of Acetate.

QUESTION FIVE (20 MARKS)

Explain to your colleague the four types (4) modified rayon which could be used in textile manufacturing farm.