



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

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: 10/12/2020**

**TIME: 8.30-10.30 AM**

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## INSTRUCTIONS:

- a) *This paper consists of **five** questions.*
- b) *Answer **Question 1** and any other **two** questions.*
- c) ***Question 1** carries 20 marks*
- d) ***Question 2 to 5** carries 15 marks each*

### QUESTION ONE (20 MARKS)

- a) Define the following terms;
  - i. Winding (1 mark)
  - ii. Needle bed (1 mark)
  - iii. Piles (1 mark)
  - iv. Compound structures (1 mark)
  - v. Weft knitting (1 mark)
  - vi. Float loop (1 mark)
- b) Explain four (4) reasons shuttle looms have become obsolete. (8 marks)
- c) Highlight three (3) types of piles used tufting mats. (6 marks)

### QUESTION TWO (15 MARKS)

- a) Name three (3) types of needles commonly used in knitting machines. (3 marks)
- b) Differentiate the following terms;
  - i. Warp yarn and weft yarns (4 marks)
  - ii. Back loop and float loop (4 marks)
  - iii. Purl fabric and rib fabric (4 marks)

**QUESTION THREE (15 MARKS)**

You are to make a class presentation on weaving;

- a) Highlight five (5) basic characteristic of satin/sateen weaves. (10 marks)
- b) State five (5) basic mechanisms essential for continuous weaving. (5 marks)

**QUESTION FOUR (15 MARKS)**

Outline five (5) types of braids a designer can use to create artefacts for an upcoming exhibition.

**QUESTION FIVE (15 MARKS)**

Discuss five (5) applications of braids in the fashion design industry.