# MACHAKOS UNIVERSITY

**University Examinations for 2021/2022 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: 31/5/2022**                                      **TIME: 8.30-10.30 AM**

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**INSTRUCTIONS**

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

   *ii)*    *Answer Question 1 and any other **two** questions.*

   *iii)*   *Question 1 carries 20 marks*

   *iv)*   *Question 2 to 5 carries 15 marks each*

## QUESTION ONE (20 MARKS)

a)     Define the following terms;

      i.     Needle bed.                                      (1 mark)

      ii.    Compound structures.                         (1 mark)

      iii.   Float loop.                                          (1 mark)

      iv.   Piles.                                              (1 mark)

b)     Explain four (4) characteristics of satin/ sateen weave        (4 marks)

c)     Highlight six (6) properties of the purl fabric.            (6 marks)

d)     Identify three (3) defects in weaving and their causes      (6 marks)

## QUESTION TWO (15 MARKS)

You have been commissioned to work on a class project on weaving;

Describe and illustrate four (4) types of plain weave you can utilize in the weaving process.

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**QUESTION THREE (15 MARKS)**

You have been commissioned to design to design a centre piece floor rug for the Machakos University Hall, explain the procedure of creating it.

**QUESTION FOUR (15 MARKS)**

Tosheka Textiles specializes in weaving using cotton and silk yarns describe five stages (5) of warp yarn preparation that the conference firm could adopt in their weaving process.

**QUESTION FIVE (15 MARKS)**

As a chief designer in a weaving firm present a report on the components of tufted fabric. Use an illustration to support your presentation.