



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF HUMANITIES

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN FASHION DESIGN AND MARKETING

HFM 204: FLAT PATTERN DESIGN

DATE: 30/8/2022

TIME: 2.00-4.00 PM

INSTRUCTIONS

This paper consists of Five (5) questions. Answer question **One** (1) and other **Two** (2) questions.

Question 1 (20 marks)

Question 2-5 (15 marks each)

QUESTION ONE (20 MARKS)

- a) Define the following terms as used in flat pattern making.
- i. Decorative darts (1 mark)
 - ii. Fitting darts (1 mark)
 - iii. Facing (1 mark)
 - iv. Grading (1 mark)
- b) Explain four (4) characteristics of dart equivalent gathers. (4 marks)
- c) Show four (4) ways in which darts can be manipulated in flat pattern designing. (4 marks)
- d) Outline four different categories of collars and give one example in each. (4 marks)
- e) Explain four (4) techniques that can be used in creating designs using bust darts. (4 marks)

QUESTION TWO (15 MARKS)

- a) Illustrate final pattern for an adult shirt with inverted pleats at the back side. (9 marks)
- b) Describe three (3) different types of sleeves and give one example in each category. (6 marks)

QUESTION THREE (15 MARKS)

Your friend would like a garment with a shirt collar. Use the $\frac{1}{4}$ scale sloper to develop the working and final patterns from the shirt collar.

QUESTION FOUR (15 MARKS)

- a) With the aid of a clear diagram, show the direction on how to locate the pivot point for the skirt darts. (5 marks)
- b) Using sloppers develop an A line skirt to the final pattern. (10 marks)

QUESTION FIVE (15 MARKS)

Describe the procedure of converting the fitting darts using the $\frac{1}{4}$ scale sloper for front bodice, into the princess seam line. Show working and final pattern pieces.