



**MACHAKOS UNIVERSITY**  
University Examinations 2022/2023 Academic Year  
**SCHOOL OF HUMANITIES AND SOCIAL SCIENCES**  
**DEPARTMENT OF FASHION DESIGN AND MARKETING**  
**THIRD YEAR FIRST SEMESTER EXAMINATION FOR**  
**BACHELOR OF SCIENCE (FASHION DESIGN AND MARKETING)**  
**HFM 304: ADVANCED FLAT PATTERN DESIGN**

**DATE:14/12/2022**

**TIME: 2:00 – 4:00P.M**

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**INSTRUCTIONS**

Answer **QUESTION ONE** and any other **TWO QUESTIONS**

**QUESTION ONE (20 MARKS)**

- a) Illustrate the following design styles;
- i) Kimono sleeve. (2 marks)
  - ii) Flat collar with low neckline. (2 marks)
  - iii) Box pleated skirt. (2 marks)
- b) Explain six (6) ways in which darts can be manipulated into flat pattern design. (6 marks)
- c) Illustrate and explain the following fitting problems;
- i) Large abdomen. (4 marks)
  - ii) Large chest. (4 marks)

**QUESTION TWO (15 MARKS)**

Your client requires you to design and construct a blouse with a yoke, front opening with a shirt Collar. Develop the final patterns for the blouse using  $\frac{1}{4}$  scale slopers. (15 marks)

**QUESTION THREE (15 MARKS)**

Using  $\frac{1}{4}$  scale slopers for front bodice size 12 provided, develop the final patterns a standard front opening to final patterns. (15 marks)

**QUESTION FOUR (15 MARKS)**

Using the  $\frac{1}{4}$  scale slopers provided for a trouser block size 102, describe the procedure of developing such an extra pleated trouser to final patterns. (15marks)

**QUESTION FIVE (15 MARKS).**

Develop the final patterns using  $\frac{1}{4}$  scale slopers for the classic roll collar. (15 marks)