



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

FIRST YEAR FIRST TERM EXAMINATION FOR

CERTIFICATE IN FASHION DESIGN AND GARMENT MAKING TECHNOLOGY

1801/104/FCT: FABRIC COLORATION AND TIE AND DYE THEORY

DATE: 4/6/2021

TIME: 8.30-11.30 AM

INSTRUCTIONS:

- Answer All question.
1. a) Define the following terms.
 - i. Printing (1 mark)
 - ii. Tie and Dyeing (1 mark)
 - iii. Batik (1 mark)
 - b) Explain the following methods of printing
 - i. Roller printing (2 marks)
 - ii. Resist printing (2 marks)
 - iii. Block printing (2 marks)
 - c) Explain Qualities to look for when selecting tools, equipment, and materials for tie and dye (11 marks)
2. a) distinguish between primary and secondary colours (6 marks)
 - b) Describe the colour wheel (10 marks)
 - c) Explain colour consideration (4 marks)
3. Jade designers are dyeing cotton garment using batik procedure
 - a) list the equipment and dye type they will require (5 marks)
 - b) discuss the procedure of batik dyeing (10 marks)
 - c) explain 5 qualities of material for tie and dye (5 marks)

4. a) Nancy is given a task of fabric dyeing in a garment production firm. Explain any five preparations that should be undertaken on the fabric before the dyeing process. (10 marks)
- b) Discuss any five methods that can be used to dispose the samples produced during the textile dyeing . (10 marks)
5. a) identify different types of fabric used for tie and dye (10 marks)
- b) explain qualities of fabric to be dyed (10 marks)