



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

SECOND SEMESTER EXAMINATION FOR DIPLOMA IN FASHION DESIGN AND
MARKETING

FDD 103 : INTRODUCTION TO TEXTILE SCIENCE

Date: 5/8/2016

Time: 2:00 – 4:00 PM

INSTRUCTIONS:

- *This paper consists of FIVE questions.*
- *Answer question one and other two questions in this paper.*

- Define the following terminologies
 - Filament
 - Lap
 - Textile (6 marks)
 - Textile fibers are classified into natural and manmade fibers using examples, explain any 4 Differences between them (10 marks)
 - Discuss any 5 characteristics of textile fiber's (10 marks)
 - Highlight any 3 factors to consider before doing any identification test of fibres (3 marks)
 - Briefly explain any 3 methods of fiber identification (3 marks)
- Worldwide, cotton fiber is the most widely used. Discuss (10 marks)
 - Define the term blend (2 marks)
 - Explain 4 reasons why blending is done in the textile industry (8 marks)

3. a) Textile industry in Kenya has low growth due to career opportunities challenges.
Briefly explain any ten Career opportunities in this area (10 marks)
- b) Discuss five factors affecting textile industry in East Africa today (10 marks)
4. a). i) Highlight the importance of fabric finishes (1 mark)
- ii) Discuss the following fabric finishes
- a) Preparatory c) Functional
- b) Aesthetic (9 marks)
- b) Using diagrams describe any 4 methods of fabric construction (10 marks)
5. a) Explain the production process of linen (10 marks)
- b) Discuss the care measures a garment maker can apply on silk dress when laundering