

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

DIPLOMA IN FASHION DESIGN AND CLOTHING TECHNOLOGY

2803 /102/ TS: TEXTILE SCIENCE

DATE: 8/6/2021 TIME: 2.30-5.30 PM

INSTRUCTIONS:

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ANV	VER AI	LL QUESTIONS		
1.	a)	Define the following term		
		i. Fibre	(3 marks)	
		ii. Yarn	(2 marks)	
		iii. Textile	(2 marks)	
	b)	Differentiate the following		
		i. Resiliency	(3 marks)	
		ii. Elasticity	(3 marks)	
	c)	Describe three methods of retting flax fibres	(12 marks)	
2. a) Outline two main groups of natural fibres		Outline two main groups of natural fibres	(5 marks)	
	b)	Highlight five properties of linen	(5 marks)	
	c)	Explain the production and processing of wool fibres	(15 marks)	
3. a) with the aid of a chart, classify textile fibres citir		with the aid of a chart, classify textile fibres citing two examples in e	-	
			(10 marks)	
	b)	Highlight any five fibre properties	(5 marks)	
	c)	Describe the behavior of the following fibres in a burning test		
		i. Silk	(5 marks)	
		ii. Linen	(5 marks)	
4.	a)	Explain the production and processing of cotton fibres	(15 marks)	
	b)	Explain mercerization process in relation to cotton	(5 marks)	
	c)	Differentiate filament and staple fibres	(5 marks)	