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2803/202 TEXTILE SCIENCE II AND CLOTHING CONSTRUCTION II THEORY Oct./Nov. 2022

Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN FASHION DESIGN AND CLOTHING TECHNOLOGY

MODULE II

TEXTILE SCIENCE II AND CLOTHING CONSTRUCTION II THEORY

3 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of TWO sections; A and B.

Answer any THREE questions from section A and any TWO questions from section B in the answer booklet provided.

Maximum marks for each part of a question are as indicated.

Candidates should answer the questions in English.

This paper consists of 5 printed pages.



Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

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SECTION A: TEXTILE SCIENCE II (60 marks)

Answer any THREE questions from this section.

1. (a) (i) Explain the importance of care labels in garments.

(2 marks

(ii) Illustrate the care label symbol for, 'use chlorine bleach'. A

(1 mark

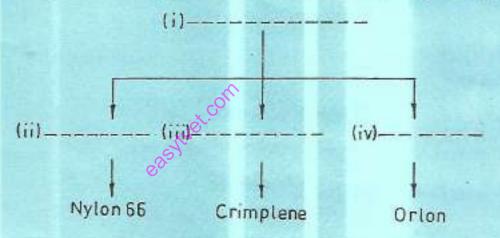
- (iii) With the aid of an illustration in each case, distinguish between the care label symbols for, 'use cool iron' and 'use hot iron'. (2 mar
- (b) Explain five factors to ensure before storing garments.

(10 marks

(c) State five limitations of nylon fabrics during use.

(5 marks

(a) Complete the following textile fibre classification chart by filling in the gaps.



(4 marks

- (b) Outline five advantages of viscose fabrics, citing the importance of each during wear. (10 marks)
- (c) Highlight six objectives of 'texturing' in yarn production.

(6 marks

3. (a) With the aid of an illustration, explain the wet spinning method of yarn production.

(8 marks

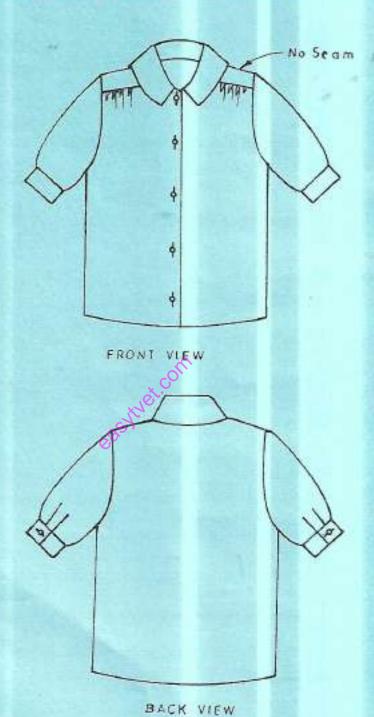
(b) State four objectives of 'drawing' in nylon fibre production.

(4 marks)

	(c)	Describe each of the following fabric stain removal processes:		
		(i) sponging;	(2 marks)	
		(ii) feathering-in;	(2 marks)	
		(iii) washing;	(2 marks)	
		(iv) dry cleaning.	(2 marks)	
4.	(a)	Explain five factors that determine the end use of a yarn.	(10 marks)	
	(b)	Highlight five limitations of tri-acetate fabrics.	(5 marks)	
	(c)	Identify five types of modified rayon.	(5 marks)	
5.	(a)	Outline five desirable features of a fibre forming polymer.	(5 marks)	
	(b)	(i) Highlight five characteristics of net fabrics.	(5 marks)	
		(ii) Identify four household uses of net fabrics	(4 marks)	
562	(c)	Describe each of the following methods of dyeing:		
		(I) dope;	(2 marks)	
		(II) piece;	(2 marks)	
		(III) hank.	(2 marks)	
		SECTION B: CLOTHING CONSTRUCTION II (40 marks)		
		Answer any TWO questions from this section.		
6.	(a)	Identify five special sewing machines used in the clothing industry,	(5 marks)	
	(b)	With the aid of illustrations, explain the procedure for making a plain open seam.		
		· Pantop	(7 marks)	
	(c)	Explain four desirable qualities of a well applied trimming.	(8 marks)	

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- 7, Highlight four safety guidelines for a fire breakout in a clothing industry. (a) (4 marks)
 - (b) Study the garment style sketched below and answer the following questions.



(i) Describe the steps for assembling the garment.

- (12 marks)
- (ii) Identify the pattern pieces required to make up the garment.
- $(2\frac{1}{2} \text{ marks})$ Identify three types of materials required for making up the garment style.

 (1 $\frac{1}{2}$ marks)



(iii)

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(S marks)

(synem 9)

(8 marks)

(S marks)

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THIS IS THE LAST PRINTED PAGE.

With the sid of illustrations, describe the procedure for each of the following:

Highlight three reasons for under stitching facings.

Highlight five garment construction finishing procedures.

sutching a pin mek.

joining a cross way strip;

(ii)

(i)

(q)

(a) 2.8)

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