

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.



- (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)
- (c) Describe each of the following methods of dyeing:
- (I) dope; (2 marks)
 - (II) piece; (2 marks)
 - (III) hank. (2 marks)

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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. (7 marks)
- (c) Explain **four** desirable qualities of a well applied trimming. (8 marks)



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



FRONT VIEW



BACK VIEW

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





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- (8. (a) Highlight five garment construction finishing procedures. (5 marks)
- (b) With the aid of illustrations, describe the procedure for each of the following:
 - (i) joining a cross way strip; (6 marks)
 - (ii) stitching a pin tuck. (6 marks)
- (c) Highlight three reasons for under stitching facings. (3 marks)