ZIMBABWE

MINISTRY OF HIGHER AND TERTIARY EDUCATION, INNOVATION, SCIENCE AND TECHNOLOGY DEVELOPMENT

HIGHER EDUCATION EXAMINATIONS COUNCIL (HEXCO)

NATIONAL CERTIFICATE

IN

FASHION, CLOTHING AND TEXTILES

MODULE: Clothing Factory Techniques **PAPER NO: 455/23/M07**

DURATION: 4 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

1. 10 fabric pieces x 10cm x 10cm plain fabric.
2. Contrasting thread.
3. Sewing equipment and tool.
4. Calculator.

INSTRUCTIONS TO CANDIDATE

1. Answer all questions in Section A.
2. Answer any three (3) questions in Section B.
3. All questions carry twenty (20) marks each.

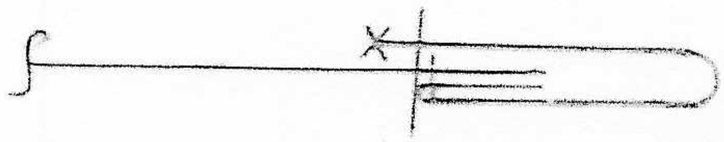
This paper consists of 5 printed pages.

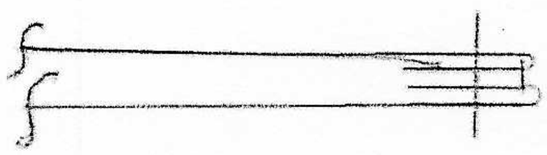
PAPER NO:455/23/M07 – CLOTHING FACTORY TECHNIQUES

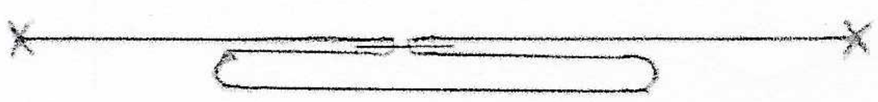
SECTION A

QUESTION 1

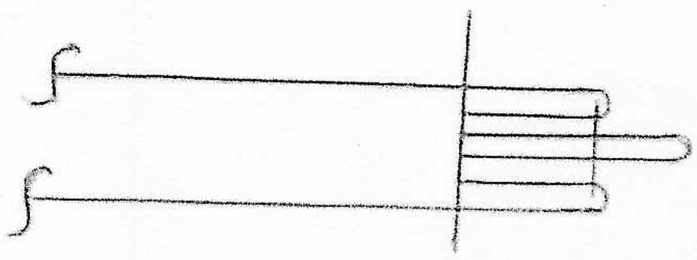
QUESTION 1

i)  4

ii)  4

iii)  4

iv)  4

v)  4

Using fabric pieces, produce samples to show the following technical drawing diagrams.

QUESTION 2

Days Fashions received an order below from Dees Mission.

Size		Xs	S	M	L
Order	Blue	180	240	160	100
	Black	160	300	60	120

Additional information:

Table length: 16 metres

Maximum ply: 150 plies

Average rating: 1.3 metres

Number of pattern pieces: 11

Standard minute value: 5 minutes

Spreading time per garment $\frac{LP \times SMSP}{LP \times G}$

Cutting time per garment $\frac{PP \times G \times SMPP}{LP \times G}$

Calculate the following:

a) Total number of units per size and per colour. (6 marks)

b) Actual garments on the marker. (2 marks)

c) Possible garments on the marker. (2 marks)

d) Marker plan. (3 marks)

e) Cutting time per garment (3 marks)

f) Spreading time per garment. (3 marks)

g) Total cutting and spreading time per garment. (1 mark)

SECTION B

QUESTION 3

a) State any five (5) safety measures to be observed when using a sewing machine. (5 marks)

b) Name any five (5) industrial sewing machines giving uses of each machine. (5 marks)

c) Explain the functions of the following machine parts:

i) Feed dog (2 marks)

ii) Presser foot (2 marks)

iii) Reverse lever (2 marks)

iv) Thread take-up lever (2 marks)

v) Rotary hook (2 marks)

QUESTION 4

a) Define cutting (2 marks)

b) List three (3) cutting techniques used in the cutting room. (6 marks)

c) Give four (4) factors to consider before making a top marker. (4 marks)

d) State four (4) reasons for making a top marker. (4 marks)

e) Name any four (4) industrial cutting machines. (4 marks)

QUESTION 5

a) Write two (2) causes of the following sewing machine faults.

i) Missed stitches (2 marks)

ii) Thread breaking (2 marks)

iii) Needle breakage (2 marks)

iv) Seam pucker (2 marks)

v) Material not moving under pressor foot (2 marks)

b) Complete the following table:

Stitch class	Machine
i) Class 300	--
ii) Class 400	--
iii) Class 500	--
iv) Class 600	--
v) Class 100	--

(2 marks)
(2 marks)
(2 marks)
(2 marks)
(2 marks)

QUESTION 6

a) Describe three (3) general pressing techniques. (6 marks

b) Identify any five (5) reasons why pressing would be necessary during making up a garment. (10 marks)

c) Describe special uses of the following pressing equipment:

i) Ironing board (1 mark)

ii) Sleeve board (1 mark)

iii) Collar anvil (1 mark)

iv) Hand buck (1 mark)

QUESTION 7

a) Define fusing (2 marks)

b) Give four (4) factors which influence fusing quality. (4 marks)

c) Name any two (2) fusing equipment. (2 marks)

d) List four (4) reasons for fusing garments. (4 marks)

e) Explain any four (4) properties of fusible. (8 marks)

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