higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE

PATTERN CONSTRUCTION N4

(10010484)

14 November 2022 (X-paper)
09:00–12:00

REQUIREMENTS: **Answer book, white A4 typing paper. Calculators, drawing instruments, glue and a black fine liner pen may be used.**

This question paper consists of 12 pages and 4 addenda.

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE
PATTERN CONSTRUCTION N4
TIME: 3 HOURS
MARKS: 200

INSTRUCTIONS AND INFORMATION

1. This question paper consists of TWO sections:
   SECTION A: 50 marks
   SECTION B: 150 marks
   GRAND TOTAL: 200 marks

2. Answer all the questions.

3. Read all the questions carefully.

4. Number the answers according to the numbering system used in this question paper.

5. Start each question on a new page.

6. Use only a blue or black pen.

7. Write neatly and legibly.

8. Paste all loose papers in your answer book.

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SECTION A

QUESTION 1

1.1 Various options are given as possible answers to the following questions. Choose the answer and write only the letter (A–D) next to the question number (1.1.1–1.1.15) in the ANSWER BOOK.

1.1.1 The cutting instruction on a pattern is identified by the … on the pattern piece.

A pattern part
B grainline
C garment name
D style number

1.1.2 The outside leg seam of a trouser is measured from the …

A waist down the outside of the leg.
B hipline down the outside of the leg.
C waist down the inside of the leg.
D waist down the front of the figure.

1.1.3 Fitting lines are the same as … lines.

A fold
B solid
C stitching
D cutting

1.1.4 Notches are placed on …

A style lines only.
B all seams.
C vertical seams only.
D hemlines.

1.1.5 For the drafting of the fitted jacket block, the …block is used

A bodice
B dress
C jacket
D shirt

1.1.6 The fly on ladies trousers closes ...

A left over right.
B right over left.
C on the centre front.
D as desired.

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1.1.7 To insert an inverted pleat into a pattern, allow … the depth of the pleat.

A one time
B two times
C three times
D four times

1.1.8 Back and front bodice blocks are not required when constructing the … collar

A sailor
B shirt
C Peter Pan
D shawl

1.1.9 To neaten the armhole and neckline a/an … facing is suitable.

A neck
B armhole
C front
D combined

1.1.10 Pitch points are marked on the …

A neckline.
B waistline.
C armhole.
D shoulder.

1.1.11 The … is the part of the collar that rests on the neck.

A stand
B fall
C lapel
D fold

1.1.12 Interfacing is used to … the garment where the buttonhole will be sewn.

A attach
B design
C strengthen
D decorate

1.1.13 Style analysis is the ability to …

A design a pattern.
B read a fashion sketch.
C make a fashion sketch.
D make a pattern block.

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1.1.14 For the drafting of a ladies waistcoat, the … block is used as a basis.

A bodice
B blouse
C jacket
D dress

1.1.15 A pattern with seam allowances and full labelling is called a … pattern.

A working
B basic
C rough
D final

(15 × 1) (15)

1.2 Choose a description from COLUMN B that matches the term in COLUMN A. Write only the letter (A–K) next to the question number (1.2.1–1.2.10) in the ANSWER BOOK.

COLUMN A		COLUMN B	
1.2.1	Double-breasted	A	a pattern part that fits over the hips
1.2.2	Interfacing	B	shaped inset that provides flare at the hemline
1.2.3	Raglan sleeve	C	a guide for joining seams
1.2.4	Notches	D	the fork that is formed between the inside leg seams
1.2.5	Asymmetrical	E	this sleeve forms part of the neckline
1.2.6	Fitting line	F	front opening that overlaps far enough to allow for two rows of buttons
1.2.7	Cuff	G	a layer of fabric attached to a facing
1.2.8	Hip yoke	H	style line only on one side
1.2.9	Crotch	I	stitching line
1.2.10	Godet	J	a pattern piece to neaten the edge of the sleeve
		K	end of the slash line

(10 × 1) (10)

[25]

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QUESTION 2

Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (2.1–2.10) in the ANSWER BOOK.

2.1 Interfacing is a layer of fabric attached to a lining to strengthen it.

2.2 A Sailor collar is an example of a standing collar.

2.3 Bisecting is dividing a right angle into two equal parts.

2.4 A raglan sleeve is stitched in the original armhole.

2.5 The two-piece sleeve gives a more formal look to jackets.

2.6 Body rise is an essential measurement when drafting the ladies' trouser block.

2.7 Knife pleats are two pleats facing the opposite direction.

2.8 Gathers are not suitable for the disposal of fullness.

2.9 Symmetrical is when the two sides of a garment are different.

2.10 A godet is a triangular inset that provides flare at the hemline.

(10 × 1) **[10]**

QUESTION 3

3.1 Give THREE examples of girth measurements that can be taken around a female figure. (3)

3.2 Give TWO important measurements required to draft the ladies' bodice block. (2)

3.3 Briefly explain how the following measurements are taken on a female figure. Write only the answer next to the question number (3.3.1–3.3.5) in the ANSWER BOOK.

3.3.1 Outside leg

3.3.2 Across back

3.3.3 Hind arm

3.3.4 Hip depth

3.3.5 Body rise

(5 × 2) (10)
[15]

TOTAL SECTION A: 50

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SECTION B

QUESTION 4

4.1 Draft the LADIES' BASIC TRACKSUIT PANTS BLOCK, SIZE 13, on FIFTH SCALE.
Paste it into your ANSWER BOOK.

MEASUREMENTS AND INSTRUCTIONS:

- Waist measurement = 71 cm
- Seat measurement = 97 cm
- Rise height = 28 cm
- Bottoms = 46 cm
- Inside leg length = 76.5 cm

In the middle of a paper, draw a vertical line at 50 cm from the top edge of the paper.
Square a line across to the left and right and mark point 0 at the corner.

0 - 1 Rise height (28 cm) measured upwards on the vertical line. Square both ways.

0 - 2 Inside leg length (76.5 cm) measured downwards. Square both ways.

0 - 3 Half inside leg length minus 4cm (34.2 cm) down. Square both ways.

0 - 4 $^1/_6$ (Sixth) scale (8 cm) to the left.

`

4 - 5 2 cm to the left.

5 - 6 $^1/_{12}$ (One-twelfth) scale plus 1.2 cm (5.24 cm) to the left.

0 - 7 ⅓ (One-third) scale (16.1 cm) to the right.
Square up from 5 and out to the left from 1, to locate 8 at the corner line from 1

8 – 9 ¼ (Quarter) waist plus 5 cm (22.75 cm). Extend this line with broken lines.

2 - 10 ¼ (Quarter) of the bottom (11.5 cm) to the left.

2 - 11 ¼ (Quarter) of the bottom (11.5 cm) to the right.

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12 The midpoint of 5 to 6.
Join 12 to 10 with broken lines to locate 13 on the knee line.
Curve from 6 to 13 and straight down to 10.
Join 7 to 11 with broken lines to locate 14 on the knee line.

14 - 15 1.2 cm to the left.
Curve side seam from 9 to 7 down to 15 to 11.
Add 4 cm upward at 8 and 9 (front waistline) for the elastic casing.

12 - 16 The same distance as 5 to 6 measured upwards.

4 - 17 ⅓ (One-third) scale plus 3.5 cm (19.6 cm) squared upwards.
Dot a seat angle line from 6 to 17, up to 18, that falls 4cm above the waistline.

5 - 19 ¼ (Quarter) scale minus 6 mm (11.5 cm) to the left.

19 - 20 1.2 cm squared down.
Curve seat line from 20 through 6 to 16 to 17.

13 - 21 2 cm to the left.

10 - 22 1 cm to the left.
Curve inside leg seam from 20 to 21 and straight down to 22.

11 - 23 1 cm to the right.

14 - 24 1 cm to the right.

7 - 25 3 cm to the right.

18 - 26 ¼ (Quarter) of the waist plus 5 cm (22.75 cm) on the line out from 9.
Slightly curve from 18 to 26 (back waistline),
Add 4 cm upward from 18 and 26, for an elastic casing.
Curve side seam from 26 to 25 and down to 24 and 23.
Complete the block with labelling and grain line.

(35)

4.2 Make use of the BODICE BLOCKS, FRONT, SIZE 13, on ADDENDUM A (attached), and submit only the working patterns for the following manipulations of darts, on FIFTH SCALE. Paste it into your ANSWER BOOK.

4.2.1 Centre front waist dart

4.2.2 Centre front dart

4.2.3 Centre front neck dart

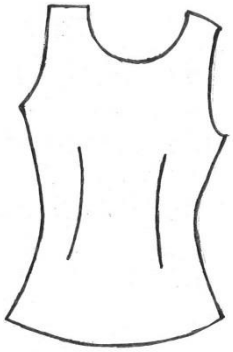
(5 × 3) (15)
[50]

QUESTION 5

5.1 Study the sketch below of a ladies blouse and do the following manipulations on FIFTH SCALE. Make use of the LADIES BLOUSE BLOCK, FRONT, SIZE 13, on ADDENDUM B (attached).
Paste it into your ANSWER BOOK.

5.1.1 Planning of the blouse front. (25)

5.1.2 Final pattern of the combined facing. (10)



INSTRUCTIONS:

A	Front neck shoulder point
B	Front shoulder armhole point
A – A1	Measure 3 cm to the left on the shoulder line
B – B1	Measure 2 cm to the right on the shoulder line
C	Lower the side seam at the armhole by 1 cm
C1	Increase the side seam at the armhole by 1 cm Join C1, C and B1 with a curve for a new armhole
D	Centre front neckline
D - E	Measure 5 cm down on the centre front line Join E and A1 with a curve for a new neckline
D – F	Measure 50 cm downwards on the centre front line for the blouse length Square across from F to the left to find G on the side seam.
H	Increase at side seam hem by 1 cm Join H and C1 for a new side seam
	Complete a combined facing of 5cm at the side seam and 5 cm at the centre front line. Add seam allowances of 1 cm Complete the pattern with labelling and add the grainline.

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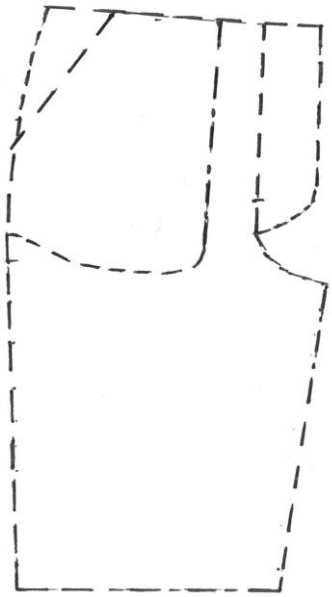
5.2 Study the pattern below for LADIES PANTS, FRONT, SIZE 13, on FIFTH SCALE and submit the following patterns:

5.2.1 Final pattern of the pocket facing (8)

5.2.2 Final pattern of fly zip facing (7)



Add seam allowances of 1cm

[50]

QUESTION 6

6.1 Draft the basic oversized jacket block for ladies, front and back SIZE 13, ON FIFTH SCALE. Use the BASIC DRESS BLOCKS, FRONT AND BACK, provided on ADDENDUM C (attached). Paste it into your ANSWER BOOK.

INSTRUCTIONS:

- Extend front and back shoulder width with 2 cm
- Lower front and back scye (armhole) with 4 cm
- Extend front and back scye (armhole) with 3 cm
- Re-shape the new front armhole
- Re-shape the new back armhole
- Front Jacket length measured from centre front neck is 70 cm
- Square across to the side seam for the front jacket hemline
- Make the back side seam length, the same measurement as the front side seam length
- Extend the front and back side seam hemline with 3 cm
- Draw new front and back side seams
- Complete the labelling and ignore the darts.
- Add the grainline.

(20)

6.2 Study the sketch below for a ladies dress, SIZE 13, and submit the following manipulations on FIFTH SCALE. Make use of the DRESS BLOCK FRONT on ADDENDUM D (attached).
Paste it into your ANSWER BOOK.

6.2.1 Planning of the dress front and facing (15)

6.2.2 Planning of the sleeve (7)

6.2.3 Final pattern of the facing (8)

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INSTRUCTIONS:

- Lower centre front neckline with 3 cm
- Measure inwards from shoulder neck point 2 cm
- Re-shape the new neckline
- Lower at armhole side seam 1.5 cm
- Re-shape the new armhole
- Dress length, 55 cm measured downward from the centre front waist
- Increase at side seam hemline by 1 cm
- Draw the new dress side seam
- Complete the dress facing width of 5 cm at the shoulder line and the centre front line
- Sleeve length is 15 cm measured from sleeve head downward
- Decrease inward at sleeve seam hemline with 1.5 cm
- Seam allowance, 1 cm
- Label the pattern and add grainline.

[50]

TOTAL SECTION B: 150
GRANT TOTAL: 200

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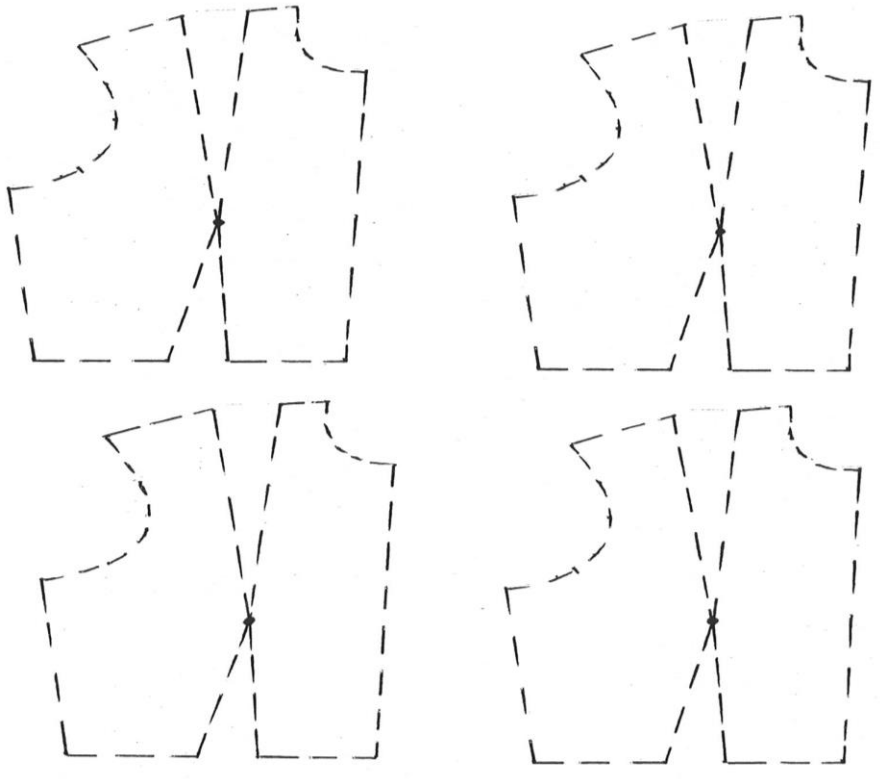
ADDENDUM A
QUESTION 4.2



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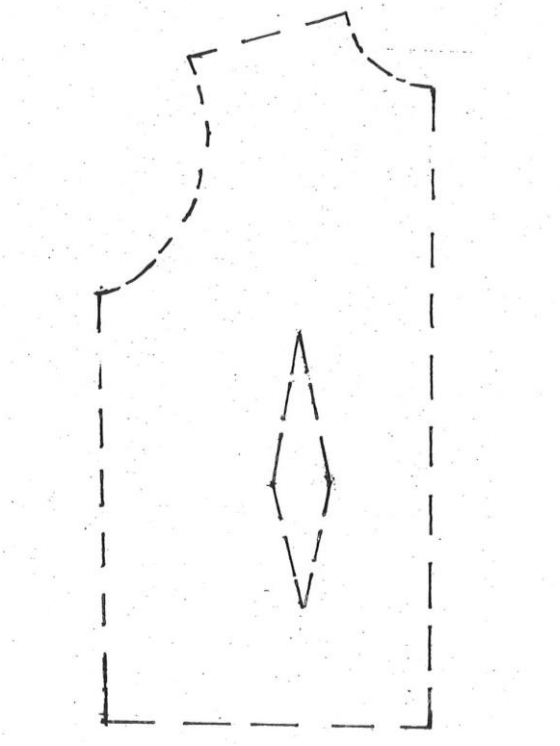
ADDENDUM B
QUESTION 5



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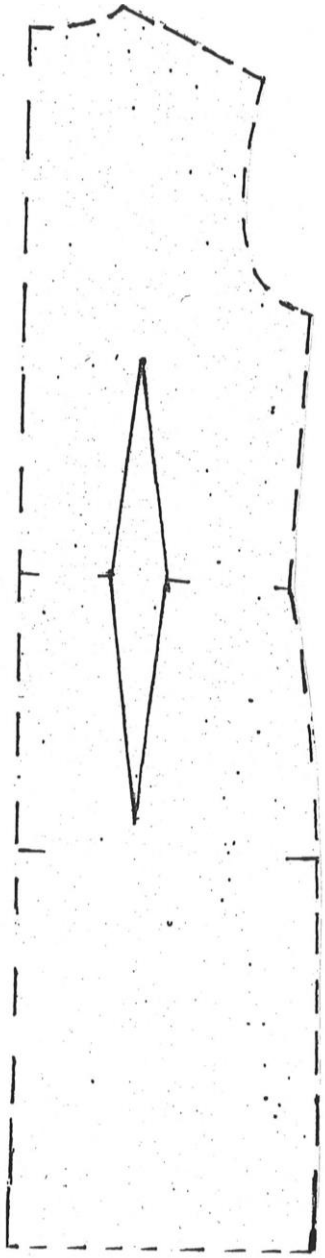
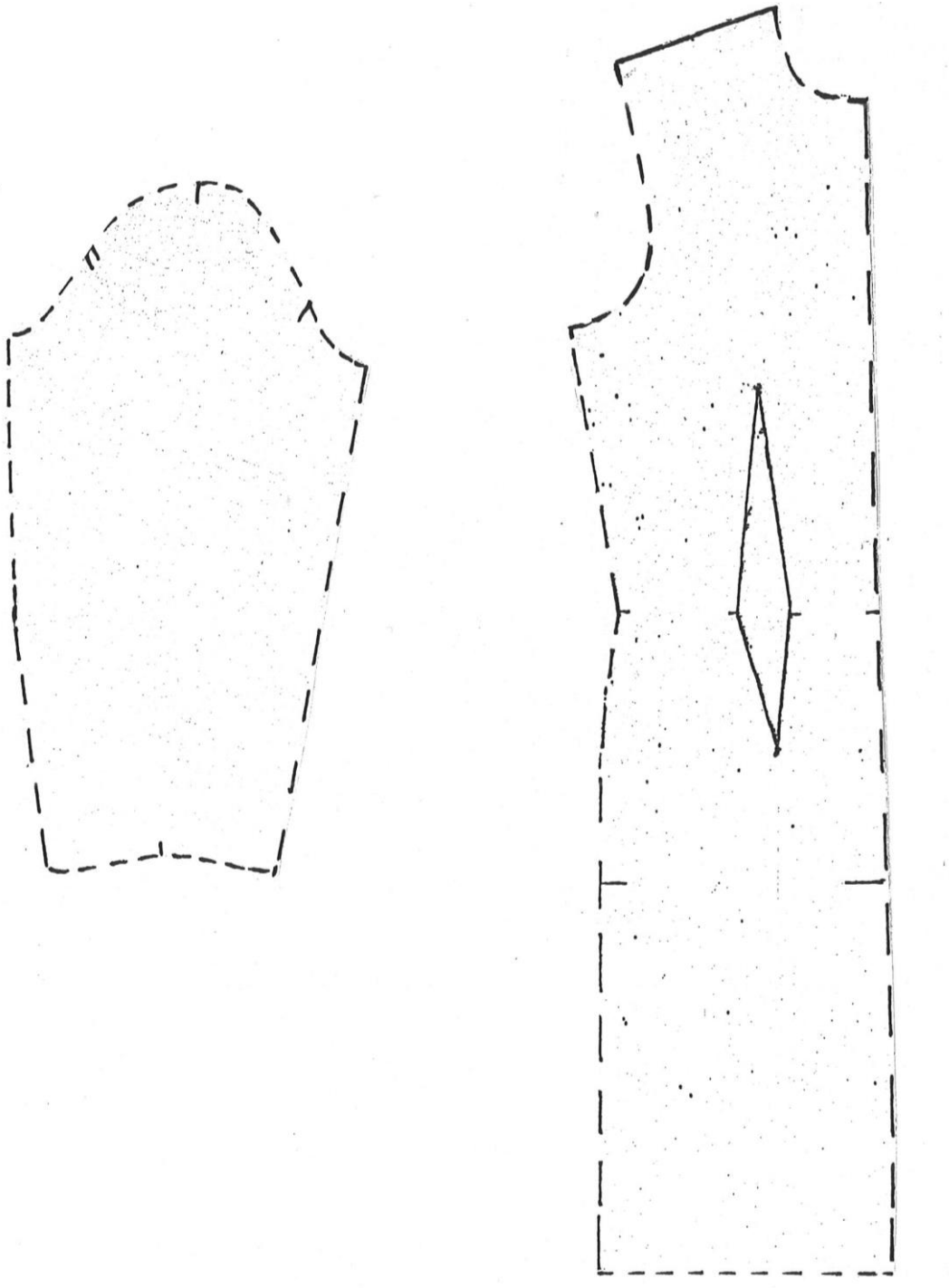
ADDENDUM C
QUESTION 6.1





ADDENDUM D
QUESTION 6.2



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