higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

N850**(E)**(N19)H

NATIONAL CERTIFICATE

INTRODUCTORY PATTERN CONSTRUCTION N4

(10010454)

19 November 2018 (X-Paper)
09:00–12:00

REQUIREMENTS: White A4-typing paper

Candidates must bring their own equipment and tools needed for Pattern Construction. Only the blocks provided in this paper may be used.

Candidates need drawing instruments and a black fineliner pen.

Calculators may be used.

This question paper consists of 10 pages and 2 addenda.

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

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

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. Read ALL the questions carefully.
3. Number the answers according to the numbering system used in this question paper.
4. Do ALL designs to a FIFTH SCALE, unless otherwise instructed.
5. Use ONLY the supplied blocks for manipulations.
6. Do blocks on WHITE A4-TYPING PAPER with a BLACK fineliner pen.
7. Do NOT cut the blocks on the dotted lines; PASTE them into the ANSWER BOOK.
8. Paste manipulations directly into the ANSWER BOOK and add the seam and hem allowance.
9. Use only BLUE or BLACK pen.
10. Write neatly and legibly.

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SECTION A

QUESTION 1

1.1 Briefly explain the following pattern marking terms:

1.1.1 Grain line

1.1.2 Fold bracket

1.1.3 Seam allowance

1.1.4 Notches

1.1.5 Gathers

(5 × 2) (10)

1.2 Give ONE word or term for each of the following measurement descriptions. Write only the word or term next to the question number (1.2.1–1.2.5) in the ANSWER BOOK.

1.2.1 Taken with the tape passed easily over the bust prominence in front and over the shoulder blades at the back

1.2.2 Taken with the tape passed closely, but not tightly, around the waist

1.2.3 Taken with the tape over the positive of the hip bones, but loosely around the hip prominence, which is the fullest part of the lower half of the figure

1.2.4 Taken with the tape across the shoulder blades from where arms join the body

1.2.5 Taken with the tape from the base of the neck curve to the extreme edge of the shoulder

(5 × 2) (10)

1.3 Give the appropriate measurement of the following seam allowances:

1.3.1 General seam allowance

1.3.2 Seam allowance for a seam with a zip

1.3.3 Seam allowance for the outer edge of a facing

1.3.4 Hem allowance of a pencil skirt

1.3.5 Hem allowance of a flared skirt

(5 × 2) (10)
[30]

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QUESTION 2

2.1 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 (2.1.1–2.1.10) in the ANSWER BOOK.

2.1.1 A/An … is used for making all types of curves when creating patterns. Designers who draw poor free-hand curves will find this tool valuable.

A ruler
B triangle
C French curve
D awl

2.1.2 A/An … is used for drawing lines at various angles.

A sheers
B adjustable set square
C paper pattern
D yard stick

2.1.3 A … is marked with all the proportions needed for the drafting of proportionate systems and is used for constructing basic block patterns.

A curve rule
B notches
C set square
D graduated square

2.1.4 A/An … is used for indicating seam allowances, dart positions and all relevant seam edge markings necessary for garment construction on finished master patterns.

A flexible ruler
B eraser
C pattern notch
D curved rule

2.1.5 A/An … is used for holding pattern pieces in position over paper or when tracing around the block.

A pattern weight
B calico
C eraser
D notch

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2.1.6 A … is used for cutting heavy-duty kraft board, when making sized blocks for factory use.

A flexible rule
B tracing wheel
C curved rule
D Stanley cutter

2.1.7 A … is used for transferring lines and curves from one pattern to another or to muslin.

A set square
B thumb tucks
C tracing wheel
D shears

2.1.8 A … is an adaptation of the standard block made to suit the requirements of a manufacturer.

A trade block
B basic block
C final pattern
D marker

2.1.9 A … is the outline of the different block sections such as front bodice and back bodice.

A pattern cutter
B pattern line
C pattern design
D pattern grading

2.1.10 … is the changing of the basic block to fit various figure disproportions such as square shoulders, large upper arms or large buttocks.

A Pattern grading
B Fitting lines
C Pattern adaptation
D Pattern drafting

(10 × 1) (10)

2.2 List FIVE important pattern instructions/labels on the final pattern. (5 × 2) (10)

[20]

TOTAL SECTION A: 50

SECTION B

QUESTION 3

Study the diagram in FIGURE 1 below. Use the BACK and FRONT BODICE BLOCKS on ADDENDUM A (attached) and manipulate an apron for FIVE-YEAR-OLD GIRLS.



FIGURE 1

REQUIRED MESEAUREMENTS:

Skirt length	40 cm
Button stand	2 cm
Button diameter	2 cm
Button space	6 cm

3.1 Submit the planning of FRONT and BACK BODICE (HALF SCALE). (24)

3.2 Submit the planning of the waistband (HALF SCALE). (8)

3.3 Submit the planning of the BACK and FRONT SKIRT (FIFTH SCALE). (16)

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INSTRUCTIONS:

FRONT BODICE
Drop the centre front neckline by 3 cm and square to the left by 6 cm.
Widen the shoulder neck point by 3 cm and draw a new neckline.
Reduce the shoulder by 2,5 cm at the arm hole. Drop the armhole by 2,5 cm and reshape the armhole.
Raise the waistline by 4 cm and reduce the side seam by 2 cm.

BACK BODICE
Drop the centre back neckline by 3 cm. Widen the neck shoulder by 3 cm. Draw the new neckline.
Reduce the shoulder by 2,5 cm at the armhole and drop the armhole by 2,5 cm. Draw the armhole.
Raise the waistline by 4 cm and reduce the side seam by 2 cm.
Add the button stand and buttonhole position.

WAIST BAND
Measure the front and the back of the waistline on the bodice without a button.
A–B and B–C = Bodice waistline. Draw the horizontal line.
A–C and B–C–CF to side seam = measure of front bodice CF to side seam.
A–B – waistband depth = 4 cm
Add button stand and mark the buttonhole.

SKIRT FRONT (FIFTH SCALE)
A–B = CF to side seam x 3
A–C and B–D = 40 cm

SKIRT BACK
E–F = CB to side seam measurement x 3.
E–G and F–H = 40 cm.
Reshape the centre back with a curve line.
Label the patterns. **[48]**

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QUESTION 4

4.1 Manipulate the BOYS TROUSERS WITH ELASTICATED WAIST to FIFTH SCALE. Use the BOYS TROUSER BLOCK on ADDENDUM B (attached).
REQUIRED MEASUREMENTS

Elastic width	3 cm
Seam allowance	1,5 cm
Seam allowance	1 cm

4.1.1 Submit the planning of the front trouser. (11)

4.1.2 Submit the planning of the back trouser. (11)

INSTRUCTIONS:

Extend the front side seam above the waistline, ignoring the side seam curve.
Add elastic casing for the back and the front.
A–B = 6 cm.
Mark the fold line back and front.
Ignore the dart.
Label the pattern.

4.2 Make use of the following measurements to construct SKIRT WAISTBAND on a FIFTH SCALE.

Waistband	66 cm
Waistband depth	4 cm
Button stand	3 cm
Seam allowance	1,5 cm

4.2.1 Planning stage of the waistband (12)

4.2.2 Final pattern of the waistband (12)

INSTRUCTIONS:

A to B = Waist measurement = 66 cm
B to C = Button stand = 3 cm
A to D = Waistband depth = 4 × 2 cm
Mark the centre front and divide the waist by 4.
Mark the centre back and centre front and side seam.
Mark the fold line.
Mark the buttonhole.
Label the pattern.

[46]

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QUESTION 5

Label the position of bust and shoulder darts in the diagram in FIGURE 2 below. Write only the answer next to question number (5.1–5.8) in the ANSWER BOOK.

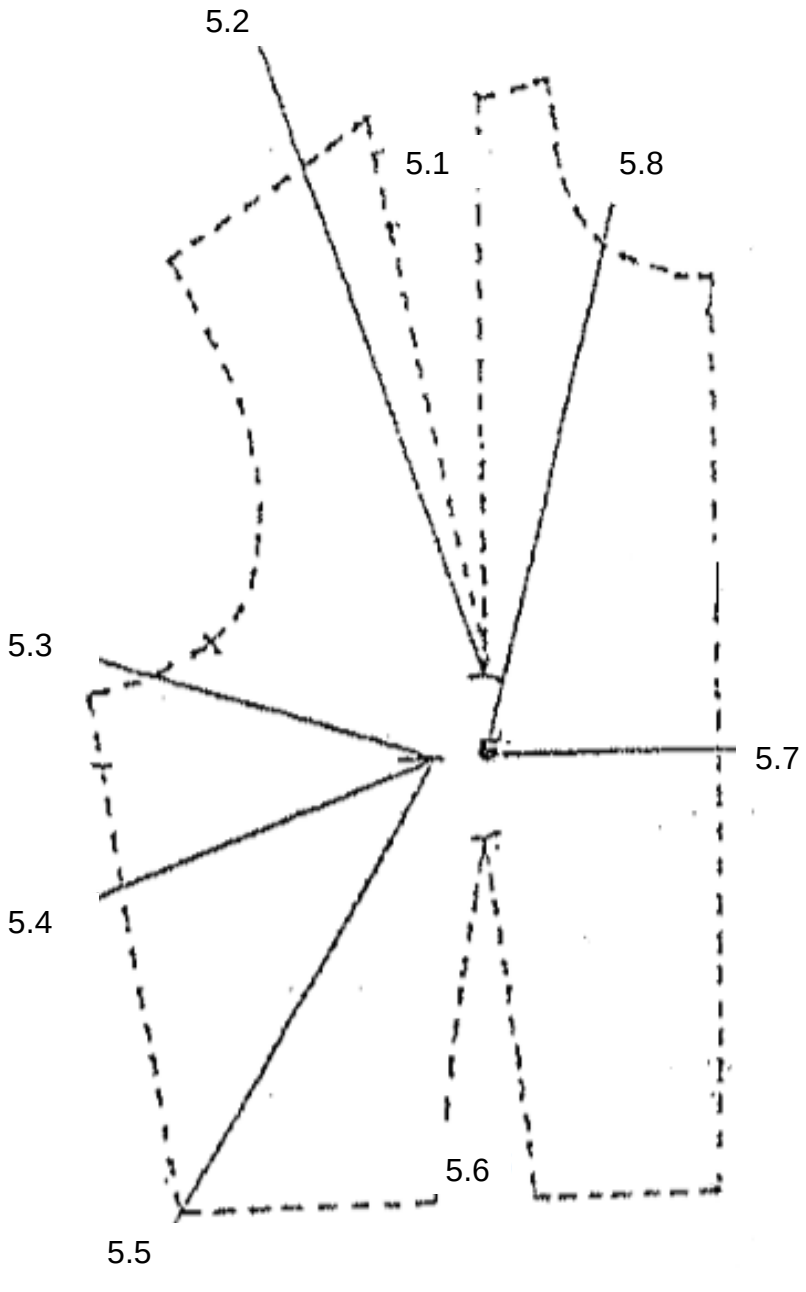

FIGURE 2 **[16]**

QUESTION 6

Draft a FIVE-YEAR-OLD GIRL'S DRESS SLEEVE BLOCK in HALF SCALE according to the following measurements and instructions.

REQUIRED MESUREMENTS:

Shoulder to wrist length	43,5 cm
Around upper arm	23,5 cm
Cuff length	14,5 cm

INSTRUCTIONS:

Square a vertical line 8 cm from the top edge of a sheet of paper and down to the centre of the page.

Mark 1 point at the top of the line.

1–2 = Shoulder to wrist length measure downwards (43,5 cm).
1–3 = One quarter shoulder to wrist length plus 2 cm measured downwards (12,9 cm).
3–4 = Half around upper arm dimension plus 1,2 cm squared to the left (13 cm).
3–5 = Half around upper arm dimension plus 1,2 cm squared to the right (13 cm).
Join 4 to 1 and 5 to 1.
3–6 = Half the measurement 3 to 5 squared to the right (6,5 cm).
Square up from 6 onto the 1 to 5 line and mark point 7.
3–8 = Half the measurement 3 to 4 squared to the right (6,5 cm).
Square a line upwards from 8 and extend this line 1,2 cm above the 4 to 1 line.
Mark point 9.
Find the midpoints of 4 and 9 and 5 and 7 and square down 6 mm.
Curve for sleeve head from 4, through the 6 mm to 9 to 1 and down to 7, through the 6 mm to 5.
10–1 = Square downwards from 6 onto the line squared out from 2 and mark point 10.
10–11 = Midpoint of 6 and 10.
10–12 = 1 cm measured to the left.
10–13 = 1 cm measured to the right.
Join 12 to 11 and 13 to 11 for sleeve dart.
2–14 = Half cuff length measured to the left (7,5 cm).
2–15 = Half cuff length plus 2 cm measured to the right (9,25 cm).
Join 4 to 11 and 5 to 15.
Label the block.

[40]

TOTAL SECTION B: 150
GRAND TOTAL: 200

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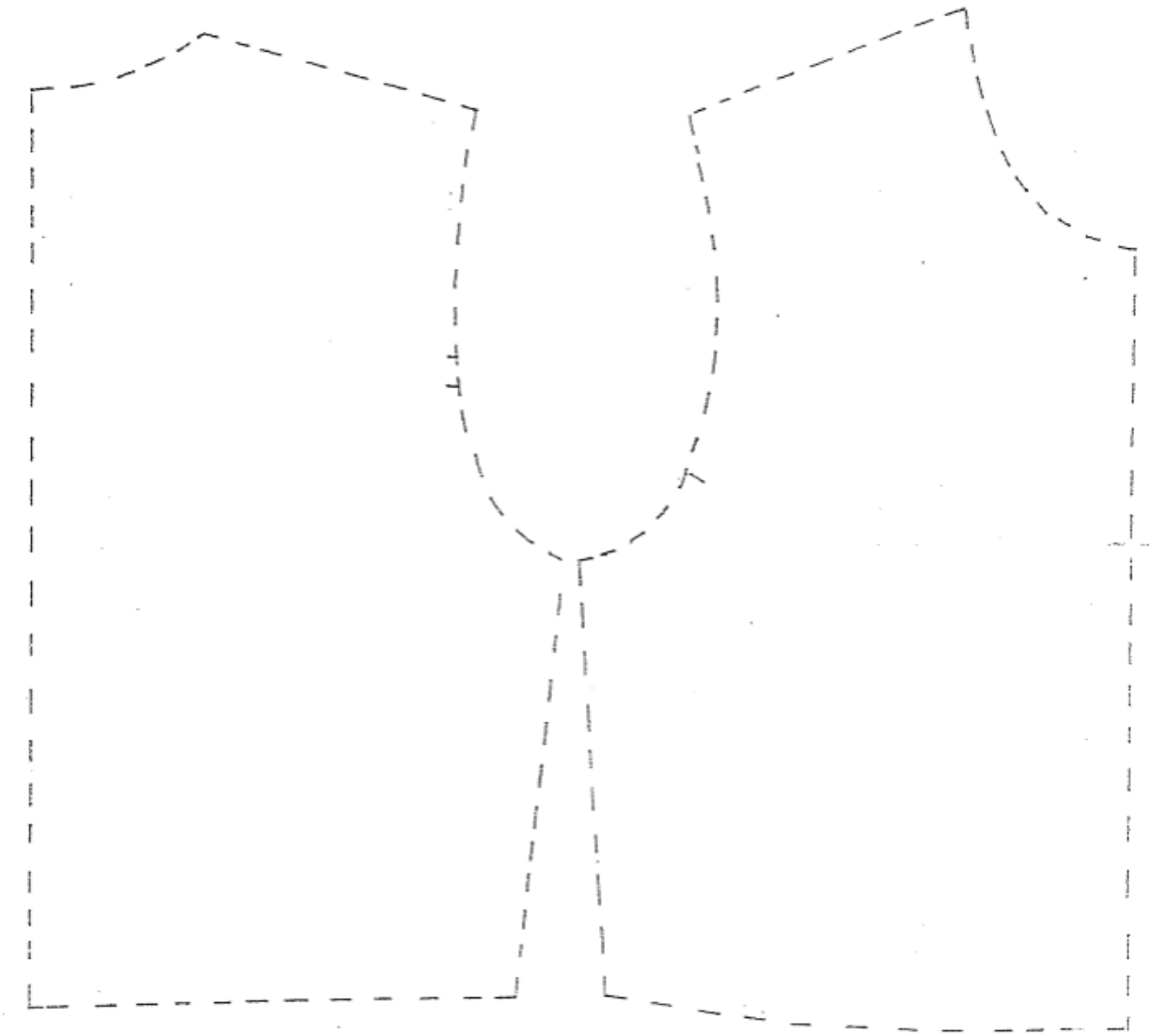
ADDENDUM A



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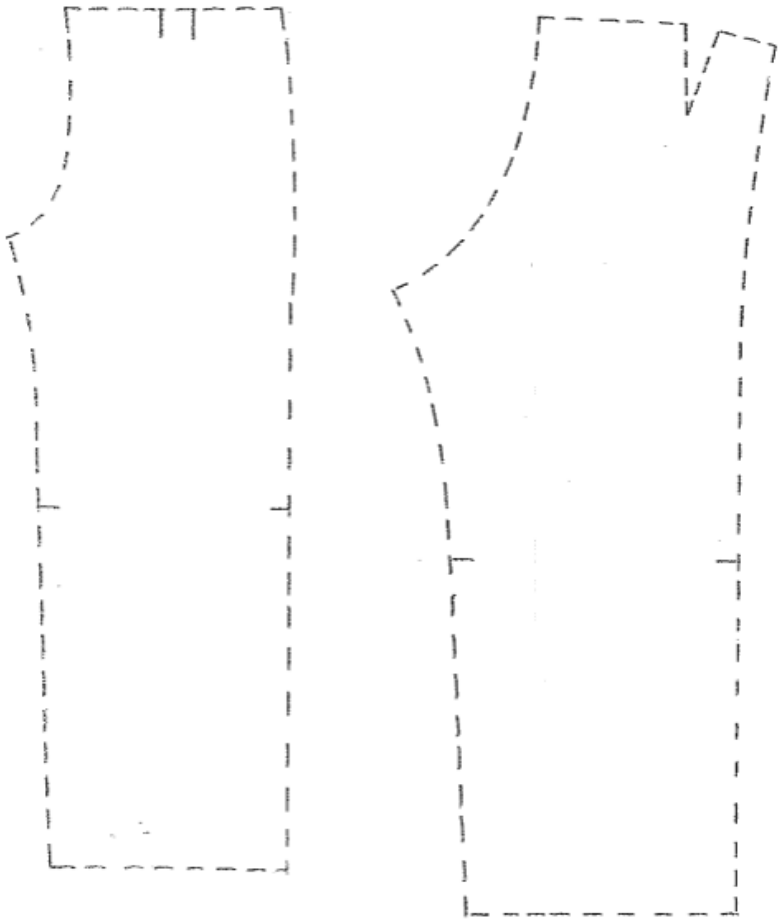
ADDENDUM B



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