



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE PATTERN CONSTRUCTION N4

(10010484)

**19 November 2019 (X-Paper)
09:00–12:00**

REQUIREMENTS: Answer book, white typing paper

Calculators may be used.

Candidates will require drawing instruments and a black fineliner pen.

This question paper consists of 11 pages and 3 addenda.

DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA
NATIONAL CERTIFICATE
PATTERN CONSTRUCTION N4
TIME: 3 HOURS
MARKS: 200

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
 2. This question paper consists of TWO sections.

SECTION A: 50 marks
SECTION B: 150 marks
GRAND TOTAL: 200 marks
 3. Read ALL the questions carefully.
 5. Number the answers according to the numbering system used in this question paper.
 6. Write neatly and legibly.
-

SECTION A

QUESTION 1

1.1 Briefly explain each of the following terms that are used in pattern construction:

1.1.1 Pattern manipulation

1.1.2 Waist suppression

1.1.3 Bust prominence

1.1.4 Pivot 

1.1.5 Construction lines

(5 × 2) (10)

1.2 Give ONE term for each of the following descriptions. Write only the answer next to the question number (1.2.1–1.2.15) in the ANSWER BOOK.

1.2.1 Even distribution of fullness without forming gathers

1.2.2 Tapered inset let into a pattern piece to create a flare

1.2.3 The highest location of a pivotal point 

1.2.4 Drawing lines at a right angle

1.2.5 A wedge shape cut out of a pattern to improve the fit of the garment

1.2.6 Tapered inset let into a pattern to create a flare

1.2.7 Area on the bodice where the armhole is situated 

1.2.8 The distance between the fitting and cutting lines on a pattern

1.2.9 Small triangular markings to indicate matching parts of a garment

1.2.10 A length of paper containing all pattern pieces to be cut at one time

1.2.11 Drawing lines the same distance apart

1.2.12 Two pleats facing each other 

1.2.13 Skirt with the appearance of pants

1.2.14 The two sides of a garment are not the same

1.2.15 The pattern with all the allowances added



(15 × 1)

(15)
[25]

QUESTION 2

Choose an item from COLUMN B that matches a description in COLUMN A. Write only the letter (A–P) next to the question number (2.1–2.15) in the ANSWER BOOK.

COLUMN A		COLUMN B
2.1	Used for removing incorrect lines and information from patterns	A box
2.2	A metal ruler with two arms that form a right angle	B style analysis
2.3	Used to cut heavy-duty cardboard	C bisecting
2.4	Tool used to transfer information from the pattern to the fabric	D slashing
2.5	Measurement taken with the arm at an angle	E facing
2.6	Ability to read the design	F dart manipulation
2.7	Found on the shoulder line of the ladies' front bodice block	G solid
2.8	Moving darts in accordance with a desired design to form style lines, pleats, gathers, etc.	H tracing wheel
2.9	Disposal of fullness	I Stanley cutter
2.10	Dividing a right angle into two equal parts	J L-shaped
2.11	Exactly halfway between two known points	K hindarm
2.12	Lines that indicate where the pattern must be cut	L control dart
2.13	Pattern part used to finish the shaped waistline of a ladies' skirt	M eraser
2.14	Two pleats facing opposite directions	N gathers
2.15	Cutting of rough patterns to acquire fullness	O tailor's pin
		P midway

(15 × 1)

[15]

QUESTION 3

Indicate whether the following statements are TRUE or FALSE. Choose the answer and write only 'True' or 'False' next to the question number (3.1–3.10) in the ANSWER BOOK.

- 3.1 The specific size of a pattern is identified by the garment name on the pattern piece. ✂
- 3.2 Across back is an example of a girth measurement.
- 3.3 For the drafting of the ladies' fitted jacket block, the dress block is used.
- 3.4 The roll collar is an example of a flat collar.
- 3.5 The bust control dart is found on the shoulder of the ladies' front bodice block.
- 3.6 Back and front pitches are marked on the neckline of the basic bodice block.
- 3.7 Asymmetric refers to both sides of the garments being the same. ✂
- 3.8 Knife pleats are formed when two flat pleats face away from each other on the right side.
- 3.9 Interfacings are used to neaten the outer edges of a garment.
- 3.10 Easing is the same as gathering. ✂

(10 × 1) [10]

TOTAL SECTION A: 50

SECTION B

INSTRUCTIONS AND INFORMATION

1. All drafts and manipulations must be done in FIFTH SCALE.
2. All manipulations and drafts must be done on white typing paper and pasted in the ANSWER BOOK.
3. Only the basic blocks provided with this question paper may be used.
4. Do not use a red pen. ✂
5. NO LOOSE PARTS WILL BE MARKED.

QUESTION 4

Use the following measurements and instructions and construct the LADIES' SKIRT BLOCK, SIZE 13 on FIFTH SCALE.

REQUIRED DIMENSIONS

Waist measurement	=	66 cm
Hip measurement	=	93 cm
Hip depth measurement	=	20 cm ✂
Skirt length	=	71 cm

INSTRUCTIONS

Draw a line downwards on the right side of a sheet of paper and then at the top square out to the left. Mark this corner point 0.

- 0 – 1 = 3 cm downwards.
- 1 – 2 = Half hip measurement minus 1,2 cm, measured to the left from 1 to touch the line coming from 0. Join 1 to 2. ✂
- 1 – 3 = Hip depth dimension measured downwards. Join 1 and 3 and extend this line downwards to form the centre front line (CF).
- 2 – 4 = Hip depth measurement measured downwards and 3 to 4 = half of the hip dimension plus 0,6 mm measured to the left. These two dimensions must be worked simultaneously. Join 3 to 4 to form the hip line. ✂
- Join 2 to 4 and extend the line downwards to form the centre back line.
- 2 – 5 = Skirt length downwards.

- 1 – 6 = Skirt length down the centre front line. Join 5 to 6 with a broken line.
- 2 – 7 = Half of 2 to 1 plus 0,6 mm measured to the right. 
- 5 – 8 = Half of 5 to 6 plus 0,6 mm measured to the right and 1,2 cm down.
Join 7 to 8 for the side seam. Mark point X where lines 7 – 8 and 3 – 4 cross.
- 1 – 9 = Join 5 to 8 and 8 to 6 for hemline. 
- 1 – 9 = One quarter of waist plus 2 cm measured to the left on the line from 1 – 2.
- 9 – 10 = 0,6 mm squared up. Curve for front waistline of skirt from 1 to 10.
Curve for front side seam from 10 to X.
- 10 – A = 7,5 cm measured to the right on the line 1 to 2.
- B = 1 cm to the left from A.
- C = 1 cm to the right from A.
Square down 6,5 cm from A on the line 10 to 1 (for dart centre line).
Mark out the dart from this point to B and to C.
- X – 11 = The same distance from X to 10 and placed 2,5 cm to the left from 7.
Draw a straight line from 11 to 2 for back waistline. 
Curve from X to 11 for back side seam.

BACK DART

Measure the distance from 11 to 2 and deduct a quarter waist.

The surplus is the width of the dart. 

Measure 7,5 cm to the right from 2 along the 2 to 11 line.

Measure dart width from this point to the right.

Find the midpoint of the dart allowance and mark point 12.

Square down 17,5 cm from 12. Complete the back dart.

HIGHLIGHT THE BLOCK. DRAW GRAINLINES AND LABEL THE BLOCK.

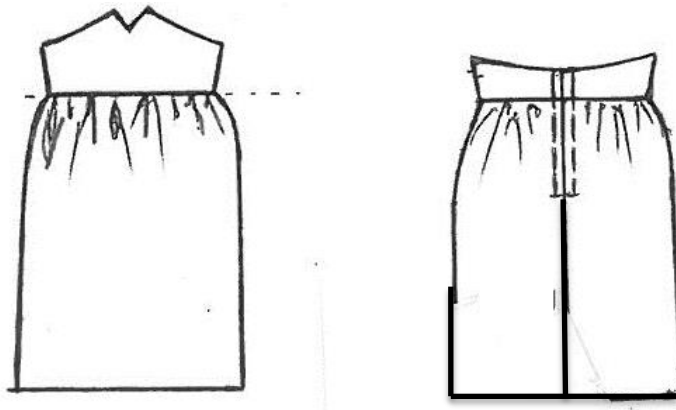
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QUESTION 5

- 5.1 Study the sketch below of a LADIES' SKIRT FRONT and submit ONLY the manipulation for a SHAPED WAISTBAND on FIFTH SCALE. Use the LADIES' BODICE FRONT AND BACK BLOCKS, SIZE 13, provided in ADDENDUM A.



- 5.1.1 Planning pattern of front and back shaped waistband (10)
- 5.1.2 Final pattern of shaped waistband (combined)



Use the following measurements and instructions.

FRONT

- A = Centre front waistline
- B = 7 cm measured from centre front waistline upward
- C = Side seam waistline
- D = 4 cm measured from side seam waistline upward.
Complete the shape with a smooth curve.

BACK

- E = Side seam waistline
- E – F = Same distance as C to D
- G = Centre back waistline
- G – H = 2 cm upward

Seam allowance (1,5 cm)

Zip allowance (2 cm) (10)

5.2 Study the sketch below of a ladies' blouse with a dolman sleeve. Use the LADIES' BODICE FRONT, BACK AND SLEEVE BLOCK, SIZE 13 provided in ADDENDUM B and submit the following manipulations on FIFTH SCALE:

- | | | | |
|-------|--------------------------------------|---|------|
| 5.2.1 | Planning pattern of the bodice front | ✂ | (9) |
| 5.2.2 | Planning pattern of the bodice back | | (9) |
| 5.2.3 | Planning pattern of the sleeve | | (12) |



Use the following measurements and instructions:

FRONT

A = In the middle of front armhole

B = At side the seam underarm ✂

C = Third of side seam length measured downward from B.
Complete new armhole with a smooth curve.

BACK

D = In the middle of the back armhole

E = At side the seam underarm ✂

F = Measured downward from E, same measurement as B to C.
Complete new armhole with a smooth curve.

SLEEVE

G = Lower at front underarm, half distance of B to C.

H = Square out from G, half distance of B to C.

I = Lower at back underarm, half distance of E to F.

J = Square out from I, half distance of E to F.
Complete the sleeve.



Highlight and complete pattern information.

[50]

QUESTION 6

Study the sketch below of a ladies' jacket and submit the following manipulations on FIFTH SCALE. Use the LADIES' DRESS FRONT BLOCK, SIZE 13, provided in ADDENDUM C.

6.1 Planning pattern of the jacket front and collar (25)

6.2 Final pattern of the jacket facing  (15)

6.3 Final pattern of the undercollar (10)



Use the following measurements and instructions for the collar:

A = First buttonhole position marked on centre front line

A – C = 3 cm measured to the right (button stand) 

Square down from C to the hemline.

Position the buttonholes.

- D = At front shoulder neck point. ✂
- Extent shoulder line to the right with broken lines.
- E = Draw a dotted line 9 cm from D down, parallel to the centre front line.
- D – I = 3 cm to the right on extended shoulder line (collar stand).
- Join C to I (break line) and extend the line to the top.
- I – J = Back neck measurement (9 cm) upwards.
- Square to the left and right at J. ✂
- K = 2,5 cm to the left from J.
- Join K to D into the neckline.
- L = 6 cm to the right from J (centre back line).
- E – E1 = 1,2 cm to the left. ✂
- Join D to E1.
- E1 – F = 13 cm squared to the right on the D to E1 line.
- F – G = 4 cm to the left (collar end point). Complete the neckline with a curve from G to H.
- G – H = 3,5 cm at a balanced angle for the collar point.
- Join H to L for collar style line.
- Join F to C for lapel style line.

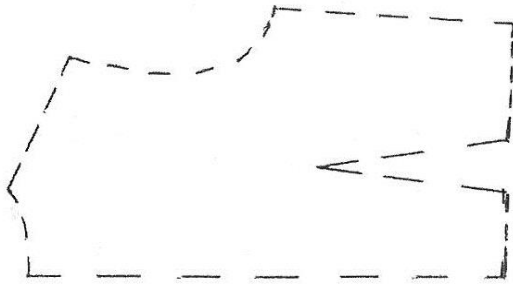
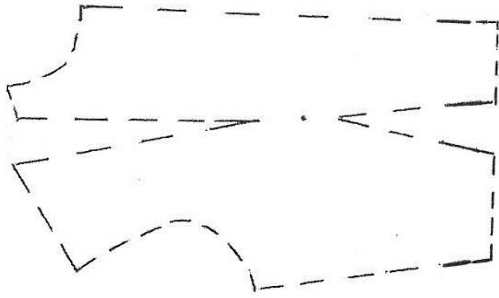
Seam allowance (1,5 cm) ✂

Hem allowance (2 cm)

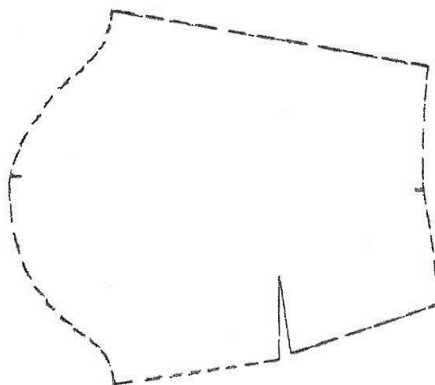
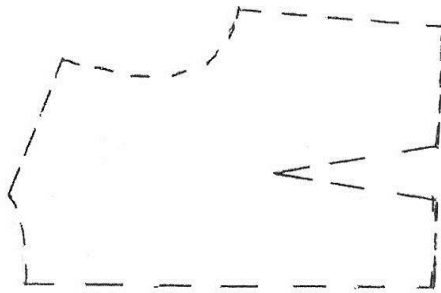
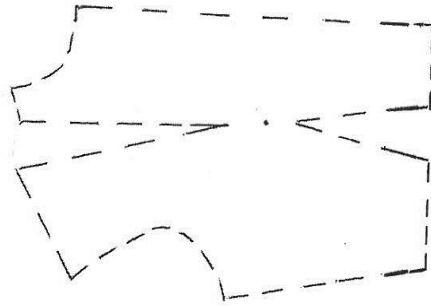
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TOTAL SECTION B: 150
GRAND TOTAL: 200

ADDENDUM A



ADDENDUM B



ADDENDUM C

