



**higher education
& training**

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

**NATIONAL CERTIFICATE
PATTERN CONSTRUCTION N4**

(10010484)

**28 May 2021 (X-paper)
09:00–12:00**

REQUIREMENTS: White typing paper

Calculators and drawing instruments may be used.

This question paper consists of 8 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. 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. All manipulations and drafts must be done to fifth scale on white typing paper and pasted in the ANSWER BOOK. No loose parts will be marked.
 5. Only the basic blocks in this question paper may be used.
 6. Use a black fine-liner pen for sketches. Do not use a red pen.
 7. Work neatly.
-

SECTION A

QUESTION 1

- 1.1 Briefly explain each of the following terms in pattern construction:
- 1.1.1 Pattern lines 
 - 1.1.2 Pattern manipulation
 - 1.1.3 Bisecting
 - 1.1.4 Pattern chart
 - 1.1.5 Production pattern
- (5 × 2) (10)
- 1.2 Give FOUR examples of girth measurement. (8)
- 1.3 Name TWO types of flat collar. (4)
- 1.4 Name FOUR measurements needed to construct a ladies' basic bodice block. (8)
- [30]**

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 The allowance for an inverted pleat is twice the depth of the width. 
- 2.2 Extended facings are usually used on a ladies' blouse front opening.
- 2.3 A roll collar is an example of a flat collar.
- 2.4 A bust control dart is found on the shoulder of the ladies' front bodice block.
- 2.5 *Easing* is the same as *gathering*. 
- 2.6 Back and front pitches are marked on the armhole of the basic bodice block.
- 2.7 The godet is an example of the disposal of fullness.

2.8 A raglan sleeve is a type of sleeve that forms part of the neckline.

2.9 Stitching lines are indicated by solid lines. 

2.10 Interfacing is a layer of fabric attached to a facing to strengthen it.

(10 × 1)

[10]

QUESTION 3

Choose a term from COLUMN B that matches a description in COLUMN A. Write only the letter (A–K) next to the question number (3.1–3.10) in the ANSWER BOOK.

COLUMN A		COLUMN B	
3.1	Two pleats facing opposite directions	A	style analysis
		B	L-shaped
3.2	Area on bodice where armhole is placed	C	midway
3.3	Cutting of patterns to acquire fullness	D	hind arm 
		E	scye
3.4	Ability to read the design	F	interfacing
3.5	Metal ruler with two arms forming right angle	G	dart manipulation
3.6	Exactly halfway between known points	H	manipulation
3.7	End of slash points	I	box
3.8	Measurement taken with arm at an angle 	J	spots
3.9	Layer of fabric attached to facing	K	slashing
3.10	Moving darts in accordance with desired design		

(10 × 1)

[10]

TOTAL SECTION A:

50

QUESTION 4

- 4.1 Use the basic ladies' one-piece sleeve block, size 13, on ADDENDUM A and submit manipulations of the sleeve, puffed at the head, to fifth scale.

MEASUREMENTS AND INSTRUCTIONS

- Sleeve length – 30 cm
- Raise at sleeve head – 2 cm
- Spread for gathers at sleeve head – 5 cm



Recurve the sleeve head and divide the sleeve into 6 sections. Complete the pattern with labelling and grain lines.

4.1.1 Planning stage of sleeve (12)

4.1.2 Working pattern of sleeve (13)

- 4.2 Use the basic ladies' bodice block back, and skirt block back, size 13, on ADDENDUM B and submit the planning stage for the ladies' dress block back, size 13' to fifth scale.

INSTRUCTIONS

Draw a vertical line on the left side of the paper.

Align the centre back of the ladies' bodice block to this line and trace the block and dart. Use broken lines to trace the side seams.



Number the following pattern points:

- 1 Centre back neck point
- 2 Centre back waist point
- 3 Side seam waist point
- 4 Side seam under-arm point

Align the centre back of the ladies' skirt block to the vertical line so that the centre back waistline touches 2.

The skirt waistline at the side seam overlaps the waistline of the bodice at the side seam and must be ignored.



Trace around the skirt block and dart. Mark the hip line.

5 To the right of point 3 on side seam of skirt

Join 4 and 5 with a straight line for the new side seam.

Reconstruct the dart position.



6 Where left side of dart leg of bodice and skirt meets

7 Bodice dart point. Extend the 6 to 7 dart leg

7–8 5 cm measured upward on extended line above 7 for new dress dart point to ensure smooth fit

9 Right dart leg of skirt dart. Join 8 and 9

10 Centre back hem point



Square out to the side seam for the new dress hemline.

Outline the dress block with a black fine-liner pen.

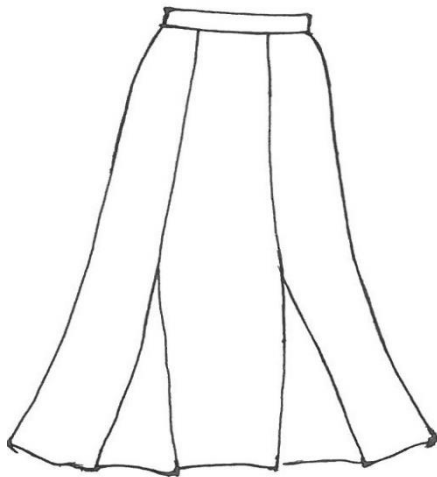


Draw grain lines and label the block.

(25)
[50]

QUESTION 5

Study the sketch of a ladies' skirt, size 13.



Use the ladies' skirt front block on ADDENDUM C and submit the manipulations below to fifth scale.

- | | | | | |
|-----|-------|---|---|------|
| 5.1 | 5.1.1 | Planning stage of skirt front |  | (16) |
| | 5.1.2 | Planning stage of waistband | | (8) |
| 5.2 | | Planning stage of godet | | (10) |
| 5.3 | | Final pattern of centre front skirt panel | | (8) |
| 5.4 | | Final pattern of side front skirt panel | | (8) |

MEASUREMENTS AND INSTRUCTIONS

- Skirt length – 60 cm
- Increase at side seam hemline – 2 cm

Join to hipline for new side seam.

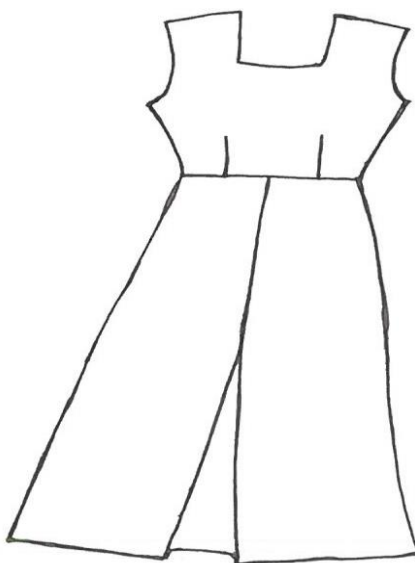
- Godet length – 30 cm 
- Godet width – 15 cm
- Waistband length – 16,5 cm
- Waistband width – 8 cm
- Seam allowance – 1,5 cm
- Hem allowance – 2 cm 

Complete the pattern with labelling and grain lines.

[50]

QUESTION 6

Study the sketch below of a ladies' dress, size 13.



Use the ladies' dress block, front, on ADDENDUM D and submit the following manipulations to fifth scale:

- | | | | |
|-----|---|---|------|
| 6.1 | Planning of dress front with pleat and facing |  | (26) |
| 6.2 | Final pattern of combined dress facing | | (10) |
| 6.3 | Final pattern of dress bottom front | | (14) |

MEASUREMENTS AND INSTRUCTIONS

- Dress length (measured from CF waistline downward) – 55 cm
- Shoulder line measured from shoulder armhole point to the right – 11 cm

Complete a square neckline measured from centre front neck downward – 10 cm

Increase at side seam hem line – 3 cm

Join at hip line for new side seam 

- Pleat width – 5 cm
- Facing width at under-arm line – 5 cm
- Facing width at centre front line – 5 cm
- Seam allowance – 1 cm 

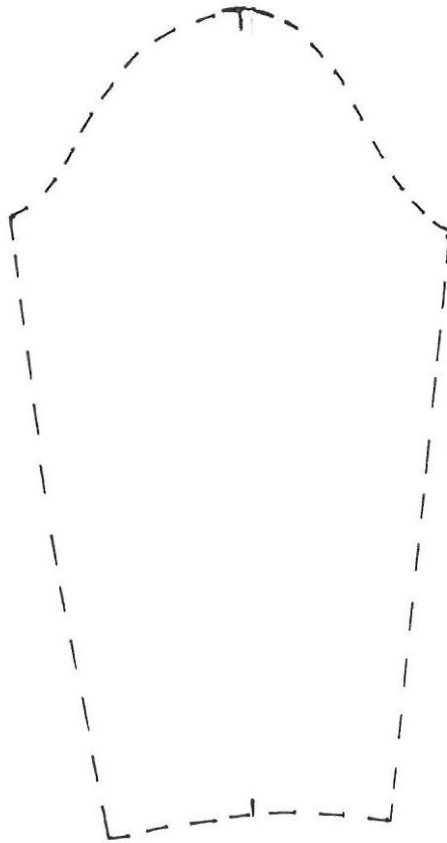
Complete the pattern with labelling and grain lines.

[50]

TOTAL SECTION B:	150
GRAND TOTAL:	200

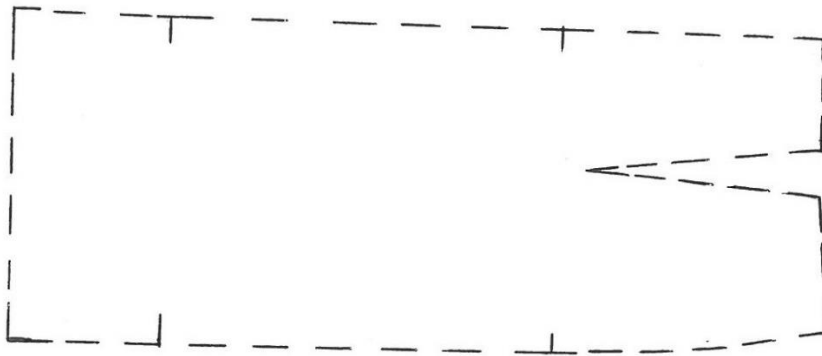
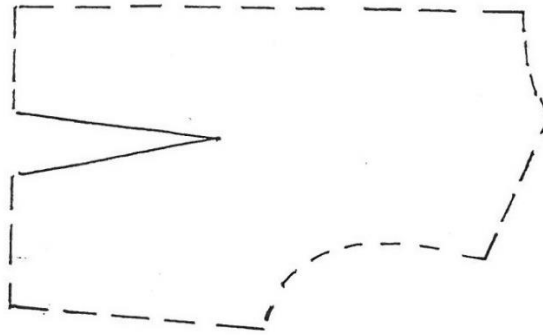
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ADDENDUM A



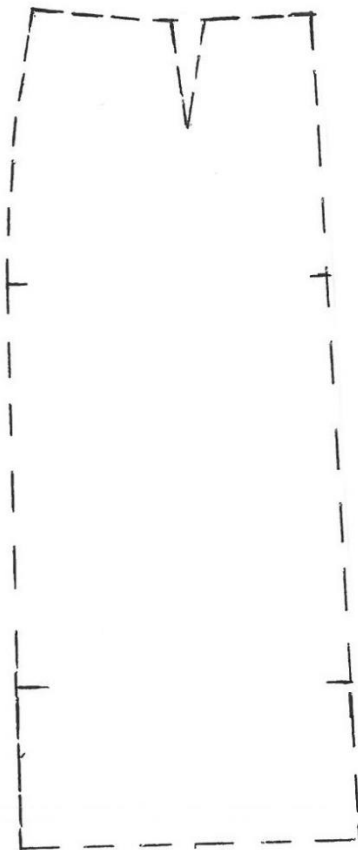
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ADDENDUM B



PATTERN CONSTRUCTION N4

ADDENDUM C



PATTERN CONSTRUCTION N4

ADDENDUM D

