



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

N1270(E)(N16)H

NATIONAL CERTIFICATE

PATTERN CONSTRUCTION N4

(10010484)

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

REQUIREMENTS: White A4 typing paper

Candidates need drawing instruments and a black fineliner pen.

Calculators may be used.

This question paper consists of 11 pages and 4 addenda.

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

NOTE: If you answer more than the required number of questions, only the required number will be marked. Clearly cross out ALL work you do NOT want to be marked.

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
 2. Read ALL the questions carefully.
 3. Number the answers correctly according to the numbering system used in this question paper.
 4. Write neatly and legibly.
-

SECTION A**QUESTION 1**

Choose a word or phrase in COLUMN B to match the term in COLUMN A. Write only the letter (A–K) next to the question number (1.1–1.10) in the ANSWER BOOK.

COLUMN A		COLUMN B
1.1	Double breasted	A pattern part that fits over the hips
1.2	Interfacing	B shaped inset that provides flare at the hemline
1.3	Raglan sleeve	C a guide for joining seams
1.4	Notches	D the fork that is formed between the inside leg seams
1.5	Asymmetrical	E this sleeve forms part of the neckline
1.6	Fitting line	F front opening that overlaps far enough to allow for two rows of buttons
1.7	Cuff	G a layer of fabric attached to a facing
1.8	Hip yoke	H style line only on one side
1.9	Crotch	I stitching line
1.10	Godet	J a pattern piece to neaten the edge of a sleeve
		K end of slash line

(10 × 1)

[10]**QUESTION 2**

2.1 Explain the following terms that are used in a pattern construction class:

2.1.1 Slashing

2.1.2 Ease

2.1.3 Pivoting

2.1.4 Pattern plot

2.1.5 Parallel

(5 × 2)

(10)

2.2 Give a pattern construction term for each of the following descriptions Write only the answer next to the question number (2.2.1–2.2.10) in the ANSWER BOOK.

- 2.2.1 The area of the bodice where the armhole is situated
- 2.2.2 The shoulder dart on the basic bodice front
- 2.2.3 Two lines which meet at a 90-degree angle
- 2.2.4 When a fabric is directly modelled onto a figure for a garment
- 2.2.5 A fabric layer to covers the inside of a tailored jacket
- 2.2.6 Styled patterns which are still without seam allowances.
- 2.2.7 The most protruding part of the bust
- 2.2.8 The outlines for different block sections such as front bodice and back bodice
- 2.2.9 The type of measurement taken while seated on a hard surface
- 2.2.10 The type of sleeve that is most suitable for ladies' formal jackets

(10 × 1)

(10)
[20]

QUESTION 3

3.1 Give THREE examples of girth measurement that can be taken around a female figure.

(3)

3.2 Give THREE important measurements required to draft a ladies trouser block.

(3)

3.3 Briefly explain how the following measurements are taken on a female figure:

- 3.3.1 Outside leg
- 3.3.2 Across back
- 3.3.3 Back length to waist
- 3.3.4 Hip depth

(4 × 1)

(4)
[10]

QUESTION 4

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 (4.1–4.10) in the ANSWER BOOK.

- 4.1 For the drafting of a fitted jacket block, the ... block is used.
- A bodice
 - B shirt
 - C dress
 - D skirt
- 4.2 The specific size of a pattern is identified by the ... on the pattern piece.
- A pattern part
 - B pattern size
 - C garment name
 - D style number
- 4.3 The sleeve forming part of the neckline is called the ... sleeve.
- A dolman
 - B Magyar
 - C kimono
 - D raglan
- 4.4 A ... collar is an example of a flat collar.
- A roll
 - B sailor
 - C shirt
 - D convertible
- 4.5 The fly on a lady's trouser closes ...
- A left over right.
 - B right over left.
 - C on the centre front.
 - D as desired.
- 4.6 Break point is ...
- A the point of the collar.
 - B the point of the lapel.
 - C where the roll line meets the garment edge.
 - D where the collar meets the shoulder neck point.

4.7 Back and front pitches are marked on the ... of the basic bodice block.

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

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

- A pattern part
- B grain line
- C garment name
- D style number

4.9 Fitting lines are the same as ... lines.

- A fold
- B solid
- C stitching
- D cutting

4.10 To insert a knife pleat into a pattern, allow ... the depth of the pleat.

- A once
- B twice
- C three times
- D four times

(10 × 1) [10]

TOTAL SECTION A: 50

SECTION B

INSTRUCTIONS AND INFORMATION

1. Use only basic blocks provided with this question paper.
2. Do ALL drafts and manipulations to the stated scale.
3. Do ALL drafts on white typing paper.
4. Outline each pattern block with a black fineliner pen.
5. Do NOT cut out the blocks.
6. Paste blocks into the ANSWER BOOK. NO loose parts will be marked.

QUESTION 5

- 5.1 Make use of the following measurements and instructions and construct a 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, 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 downward.
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. This forms 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 side seam.
Mark point X where lines 7 – 8 and 3 – 4 cross.
Join 5 to 8 and 8 to 6 for hemline.
- 1-9 = One quarter of the waist plus 2 cm measured to the left on the line from 1 to 2.

- 9–10 = 0,6 mm squared up.
Curve for front waist line 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 waist line.
Curve from X to 11 for back side seam.

BACK DART

Measure the distance from 11 to 2 and deduct from this quantity 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 GRAIN LINES AND LABEL THE BLOCK.

(30)

- 5.2 Make use of the ladies bodice block, front and back, and sleeve block, size 13, provided on ADDENDUM A (attached), and construct the basic lady's Dolman sleeve block on FIFTH SCALE.

Make use of the following measurements and instructions:

FRONT BODICE

- A = Midway of front armhole
- B = At side seam underarm point
- C = One third of side seam length, measured down from B.
Curve the front armhole from A to C for new armhole.
Outline the new front bodice.

BACK BODICE

- D = Midway of back armhole
- E = At side seam underarm point
- F = Equal the distance B to C.
Curve the back armhole from D to F.
Outline the new back bodice.

SLEEVE

- G = Measured downward half the distance B to C on front underarm seam
Square out at G half the distance B to C.
- H = Measured downward half the distance E to F on back underarm seam.
Square out at H half the distance E to F.
Curve the sleeve head through these points and outline the new sleeve underarm seams.
Complete the pattern labelling.

(20)
[50]

QUESTION 6

Study the sketch of a pair of ladies trousers, front, below. Make use of the ladies trouser block, front size 13, on ADDENDUM B (attached) and submit the following manipulations on FIFTH SCALE:

- | | | |
|-----|---|------|
| 6.1 | Planning of the front trouser | (22) |
| 6.2 | Working pattern of the front trouser with pleat and turn-up | (18) |
| 6.3 | Final pattern of pocket facing | (10) |



Make use of the following measurements and instructions:

Bermuda length	=	knee line
Fly zip depth	=	15 cm
Fly zip width	=	3 cm
Pocket mouth opening	=	14 cm
Pocket bag depth	=	25 cm
Pleat width	=	4 cm
Turn-up width	=	3 cm
Increase at inside leg and outside leg seam	=	2,5 cm
Seam allowance	=	1,5 cm

[50]

QUESTION 7

Study the sketch for a ladies dress front on ADDENDUM C (attached). Make use of the ladies dress block, front, size 13 on ADDENDUM D (attached) and submit the following manipulations on FIFTH SCALE:

- | | | |
|-----|---|------|
| 7.1 | Planning of the dress front | (30) |
| 7.2 | Working pattern of the bottom front dress | (12) |
| 7.3 | Final pattern of the combined facing | (8) |

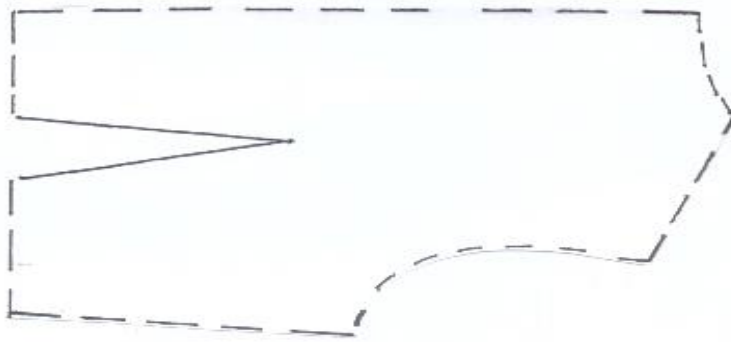
Make use of the following measurements and instructions:

- | | | |
|---|---|---|
| A | = | 10 cm measured down from centre front neck point |
| B | = | 5 cm measured on the shoulder line from centre front neck point |
| C | = | 3 cm measured on the shoulder line from shoulder armhole point |
| D | = | 2,5 cm lowered at underarm seam
Complete the new neckline and armhole.
Complete the combined facing of 3 cm at side seam and 5 cm at centre front line. |
| E | = | 5 cm measured from centre front hipline
Square across to the side seam for the new seam, increase at side seam waist by 2,5 cm and ignore the waist dart.
Divide the bottom dress into 4 sections for gathers.
Allow 5 cm for gathers between sections.
Add seam allowance of 1 cm.
Complete the pattern with labelling. |

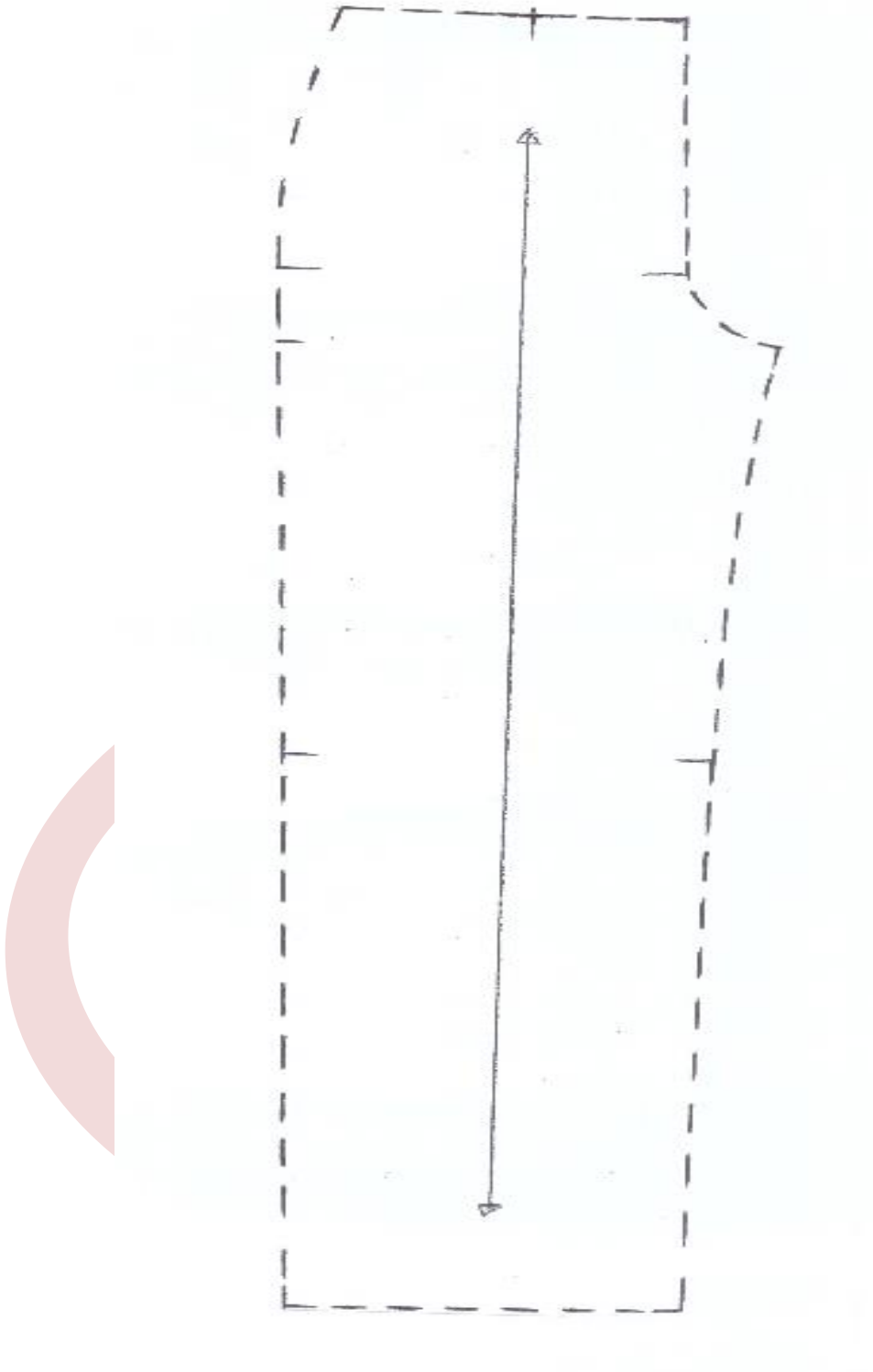
[50]

TOTAL SECTION B:	150
GRAND TOTAL:	200

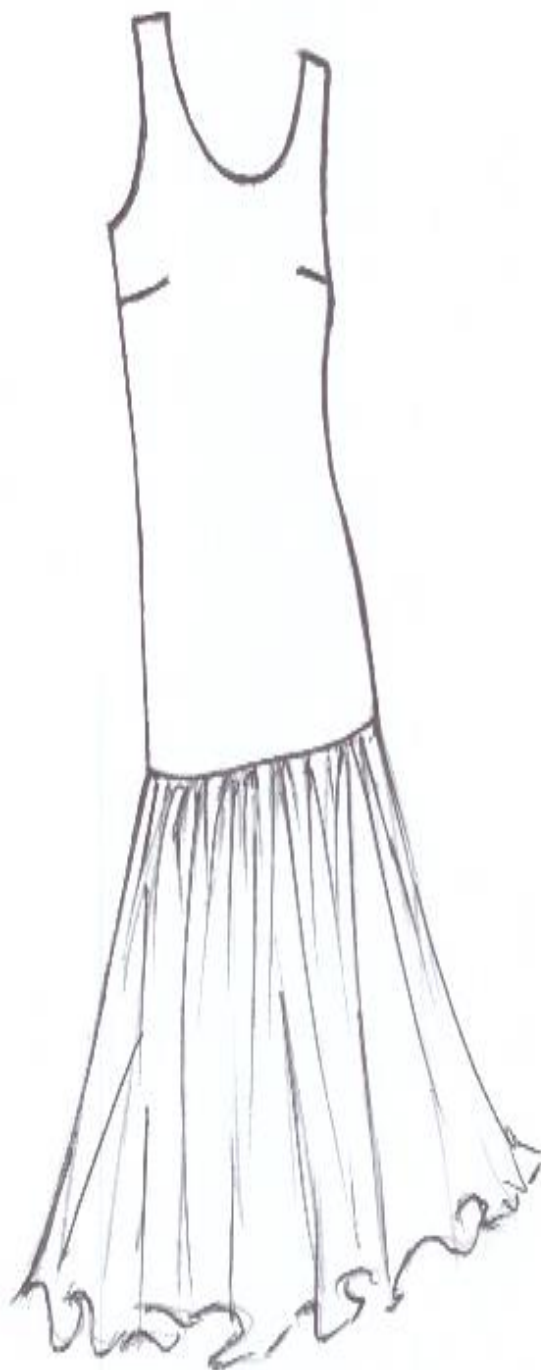
ADDENDUM A



ADDENDUM B



ADDENDUM C



ADDENDUM D

