

The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Textile and Apparel Technology



Study Programme	: Bachelor of Science Honours in Engineering
Name of the Examination	: Final Examination
Course Code and Title	: TAX4462 Pattern Development
Academic Year	: 2023/2024
Date	: 07 th March 2025
Time	: 1400-1700 hrs
Duration	: 3 hours

General Instructions

1. Read all the instructions carefully before answering the questions.
2. Write down your Index Number on all pages of answer scripts
3. This question paper consists of seven (07) questions on four (04) pages.
4. Answer **any five (05) questions**.
5. All Questions carry 20 marks each.
6. Answers for each question should commence on a new page. If a question has many parts, all the parts should be answered in chronological order under the same question.
7. Write down the answered question numbers in the space provided on the cover page of the answer book.
8. Answers should be in clear handwriting
9. Do not use red colour pens to write the answers.

Answer any five (5) questions from the following seven (7) questions.

- (1) (a) Draw a production sketch of a lady's basic blouse style. (01 Mark)
- (b) Explain the accurate way of taking five (5) body measurements required to construct front and back patterns for the basic bodice block shown in part (a). (05 Marks)
- (c) Explain the steps involved in constructing the back pattern for the basic bodice block. (12 Marks)
- (d) List all the required pattern specifications for the pattern sketched in part (c). (02 Marks)

- (2) The following is a body measurement chart required to construct patterns for the basic skirt.

Measurements (cm)	Size 12	Size 14
Waist	74	78
Hip	82	86
Waist to hip	22.5	23.5
Skirt length	65	66
Width of bust prominence	24.2	24.6

- (a) With rough sketches, explain the steps to construct a front pattern for a basic skirt using the above-given measurements for Size 12. (10 Marks)
- (b) Draw a rough sketch of the basic skirt front pattern you constructed in part (a) for size 12. Considering this size 12 pattern as the master pattern, write the steps for grading it to size 14 using the provided measurement chart. (10 Marks)
- (3) Draw the armhole curve of the front and back patterns of a women's basic bodice block and explain the steps of constructing the pattern for a basic sleeve. (20 Marks)

(4) (a) Draw a front view of a gent's tunic shirt. (02 Marks)

(b) With rough sketches explain the steps to construct the front pattern for the tunic shirt you sketched in part (a). (18 Marks)

(5) Following is a front view of a basic trouser style.



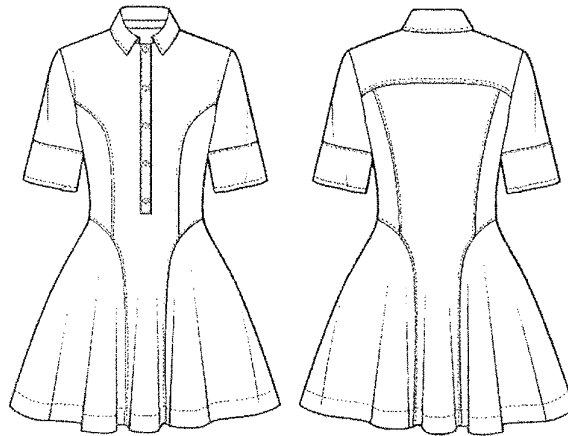
Explain the steps to construct the following patterns for the above trouser with rough sketches.

(a) Front pattern (10 Marks)

(b) Trouser fly pattern (04 Marks)

(c) Left and right waistband patterns (06 Marks)

(6) Following is a production sketch of a dress style.



If the front and back one-piece dress patterns are provided, explain the steps to construct front and back patterns for the dress style. (20 Marks)

(7) (a) Draw a production sketch of a sailor collar. (04 Marks)

(b) With rough sketches, explain the steps to construct a pattern for the collar style sketched in part (a). You may assume you are provided with the basic front and back bodice patterns. (16 Marks)