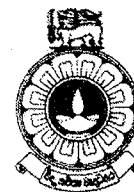


The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Textile and Apparel Technology



Study Programme	: Bachelor of Industrial Studies Honours
Name of the Examination	: Final Examination
Course Code and Title	: TAI3533 Pattern Construction
Academic Year	: 2024/2025
Date	: 09 th February 2026
Time	: 1330-1630 hrs
Duration	: 3 hours

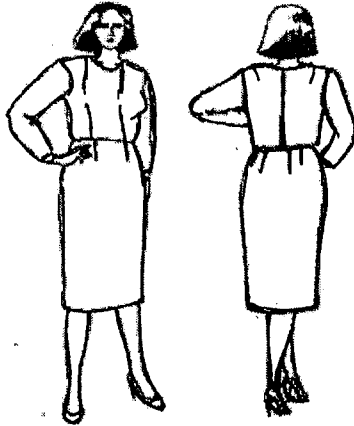
General Instructions

1. Read all 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 carries 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.
10. This is a Closed Book Test (CBT).

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

Question (01)

Following is a front and back view of a lady wearing a tight fitted blouse and a skirt.



- (a) Name the patterns required to be prepared by the pattern maker to stitch the garment worn by the figure shown. (3 Marks)
- (b) What are the measurements required to construct the patterns you mentioned in part (a)? (4 Marks)
- (c) Explain the correct method of taking four (4) different measurements you mentioned in part (b) from a female figure. (8 Marks)
- (d) Compare the two main methods of pattern construction, namely pattern drafting and pattern manipulation. (5 Marks)

Question (02)

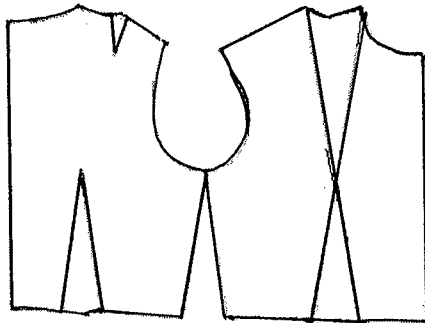
- (a) The sketch shown below represents the back pattern of a basic bodice block. Use rough sketches and clearly explain the construction steps for developing the basic bodice back pattern. (18 Marks)



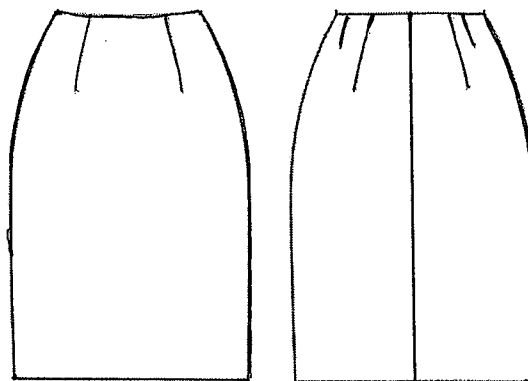
- (b) Write all the necessary pattern specifications that should be mentioned in the basic bodice back pattern. (2 Marks)

Question (03)

With the help of the front and back armhole curve of the basic bodice block shown in the following sketch, explain the construction steps involved in developing the basic sleeve block pattern. (20 Marks)

**Question (04)**

Following is the front and back views of the basic skirt.



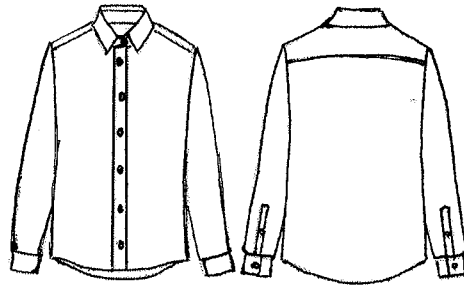
Front

Back

- (a) Explain the reason for having four darts in the back pattern, whereas only two darts in the front pattern of the basic skirt. (2 Marks)
- (b) Explain the necessary steps to construct the front pattern of the basic skirt shown in the above figure. (18 Marks)

Question (05)

Following is a production sketch of a gent's shirt.



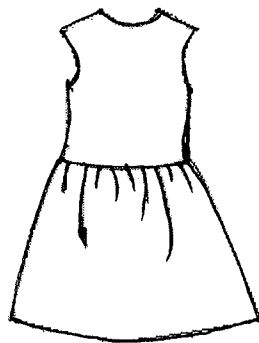
- (a) Name all the required pattern pieces to manufacture the shirt shown above. (4 Marks)
- (b) List all the measurements required to draft the complete set of patterns needed to manufacture the shirt shown above. (4 Marks)
- (c) With the help of the rough sketches explain the steps to construct the back pattern of the shirt style shown above. (12 Marks)

Question (06)

- (a) Draw front and back views of a basic gents trouser. (2 Marks)
- (b) List all the required pattern pieces that should be constructed by a pattern maker to stitch the trouser style you sketched in part (a). (3 Marks)
- (c) With the help of rough sketches, explain the construction steps involved in developing the front trouser pattern for the style sketched in part (a). (15 Marks)

Question (07)

With rough sketches, explain the construction steps involved in developing the front patterns for the baby frock shown in the given figure. (20 Marks)



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