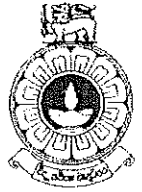


The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Textile and Apparel Technology



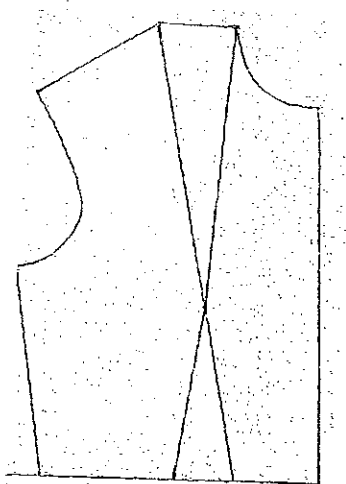
Study Programme	: Bachelor of Industrial Studies Honours
Name of the Examination	: Final Examination
Course Code and Title	: TAI4442/TAI5538/TTI5238 Advanced Pattern Construction
Academic Year	: 2019/20
Date	: 26 th July 2020
Time	: 1330-1630 hrs

General Instructions

1. Read all instructions carefully before answering the questions.
 2. This question paper consists of **seven (7)** questions in **five (5)** pages.
 3. Answer five (5) questions including the question 1, which is compulsory. All questions carry equal marks.
 4. Answer for each question should be commenced from a new page.
 5. This is a Closed Book Test (CBT).
 6. Answers should be in clear hand writing.
 7. Do not use red colour pens.
-

Compulsory Question

(1) Following is a mini scaled front pattern of a basic bodice block drafted for size 12.



Explain with rough sketches, how do you develop size 10 and size 14 from given size 12 front pattern. All the required measurements are given in the following table.

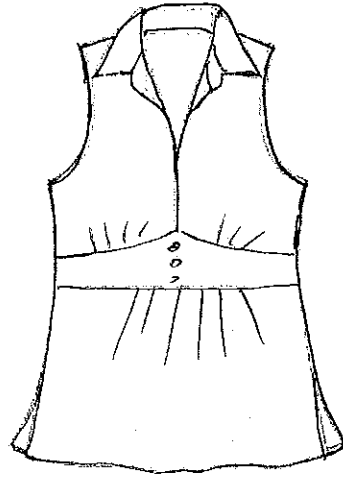
General size chart for bodice block

Size	10	12	14
Bust	84	88	92
Waist	62	66	70
Back width	33.4	34.4	35.4
Across chest	31.2	32.6	34
Shoulder length	12	12.25	12.5
Neck width	7	7.25	7.5
Dart	6.4	7	7.6
Nape to waist	39	39.5	40
Shoulder to waist	38.8	39.5	40.2
Armhole depth	20.5	21	21.5
Width of bust prominence	18.6	19	19.4

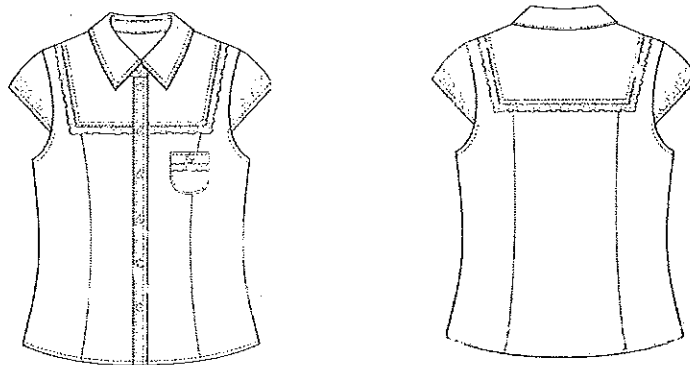
(20 Marks)

Answer any four (4) questions from the following (6) questions.

- (2) Following sketch shows a front view of a ladies blouse style. Identify all the style features and explain the method of constructing the front pattern with rough sketches. You may assume that the basic front pattern is provided. (20 Marks)



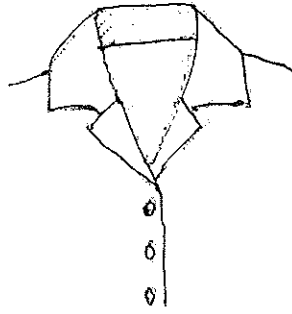
- (3) The blouse shown in below sketch have princess lines, yoke in front and back and decorated with a sleeve. It is having a placket front opening.



Assuming that the basic patterns of the front and back are provided, explain how you construct following patterns with sketches.

- | | |
|-----------------------------------|-----------|
| (a) Front patterns | (5 Marks) |
| (b) Back patterns | (5 Marks) |
| (c) Front yoke pattern | (5 Marks) |
| (d) Pattern for the front opening | (5 Marks) |

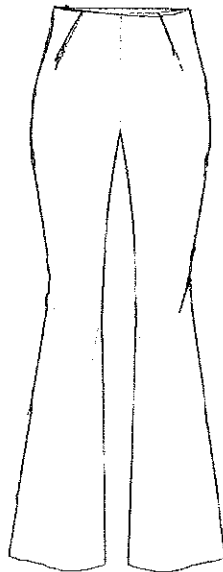
- (4) If the basic front and back patterns are provided how do you construct the pattern for the collar style given below. (20 Marks)



- (5) Following is a loose fitted sleeve style where there is no seam line in the armhole. If the basic front and basic sleeve patterns are provided, explain how you construct the patterns for the given sleeve style. (20 Marks)



- (6) Explain a method to develop the front pattern for the trouser style shown in the figure below by basic gent's trouser front pattern. (20 marks)



- (7) Below are front and back views of a baby frock. Explain the construction steps, which can be used to develop this garment. (20 Marks)

