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	**: TAI4243/ TAI5345/TTI5145 Foundation Garments**
Academic Year	: 2019/20
Date	: **02nd August 2020**
Time	: 1330-1630 hrs
Duration	: **3 hours**

General Instructions

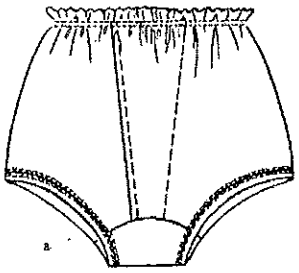
1. Read all instructions carefully before answering the questions.
2. This question paper consists of **eight (8)** questions in three **(3)** pages.
3. This is a Closed Book Test (CBT).
4. Write down your **index number** in all the pages of answer scripts.
5. Answer any **six (6)** questions. Marks allocated for each question is 100.
6. Answer for each question should commence from a new page. If a question has many parts, all the parts should be answered in the chronological order under the same question.
7. Write down the answered question numbers in the cover page of the answer book.
8. Do not write answers to the additional questions. Marks will not be given to the last question answered.
9. Answers should be in clear hand writing.
10. Do not use red colour pens to write the answers.

(1) i) People wear cloths for various purposes. Briefly explain the five (05) main functions of clothing. (20 Marks)

ii) Intimate apparel is only one category of clothing, which are worn for different functions. Giving suitable examples, discuss the four (04) main functions of intimate apparels. (40 Marks)

iii) Intimate apparels come in intensive contact with the skin and hence, they should possess certain serviceability and durability characteristics. With suitable examples, explain four (04) different serviceability and durability characteristics expected from intimate apparels. (40 Marks)

(2) i) Different body measurements are required for manufacturing men's underwear. Illustrate in a figure, the way of taking required body measurements to construct patterns for the following underwear. (30 Marks)



ii) Distinguish between the two distinct types of petticoats and briefly explain the purposes of wearing these both types of petticoats. (30 Marks)

iii) There are different styles of brassieres worn for various purposes. With suitable illustrations, describe about any four (04) style variations of brassieres and the purposes of wearing each style variation. (40 Marks)

(3) i) Corsets and girdles are both under garments which are used to shape the body. Define what a corset is and what a girdle is. (20 Marks)

ii) Discuss the differences between a corset and a girdle. (40 Marks)

iii) Differentiate briefs, thongs, short leg panties and bikinis. (40 Marks)

(4) i) Write a short essay about children's undergarments. (40 Marks)

ii) Sketch a strapped bra-cut night dress and write the pattern construction steps for the strapped bra-cut night dress you sketched. (60 Marks)

(5) i) Elastic type yarns are widely used in fabrics used for intimate apparels. Explain the purpose of using elastic yarns in fabrics used for intimate apparels. (40 Marks)

ii) Draw a production sketch of a strapped full slip and give its operational breakdown along with the required machineries. (60 Marks)

(6) i) Briefly explain the function of cup seaming machine used in foundation garment manufacturing. (30 Marks)

ii) What is garment moulding? Explain why it is important in foundation garment manufacturing. (30 Marks)

iii) What is garment welding? Discuss the advantages of welding process. (40 Marks)

(7) i) Briefly explain the methods that can be used to inspect the defects in garments during production. (30 Marks)

ii) The quality of a garment very much depends on the quality of the raw materials used. Describe the 4-point system which is widely used in the Sri Lanka garment industry to evaluate the quality of fabrics. (40 Marks)

iii) If the fabric spreading is not properly carried out, it can generate new defects. Briefly explain the defects that can be caused by fabric spreading. (30 Marks)

(8) i) Most of the foundation garments consist of fused interlinings. Discuss about the defects that can be generated during fusing process. (40 Marks)

ii) What are the guidelines that can be used to check the quality of a finished brassiere? Explain them. (60 Marks)