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

129

Study Programme	: Bachelor of Industrial Studies Honours
Name of the Examination	: Final Examination
Course Code and Title	**: TAI4243 Foundation Garments**
Academic Year	: 2021/22
Date	: 27th February 2023
Time	: 1330-1630hrs
Duration	: **3 hours**

General Instructions

1. Read all instructions carefully before answering the questions.
2. This is a Closed Book Test (CBT).
3. Write down your Index Number in all the pages of answer scripts.
4. This question paper consists of **seven (07)** questions in **three (03)** pages.
5. All questions carry **twenty (20)** marks each. Answer **any five (05)** questions.
6. Do not write answers to the additional questions.
7. Answers 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.
8. Write down the answered question numbers in the cover page of the answer book.
9. Do not use red colour pens to write the answers.

Answer any Five (05) questions.

(Q1) (a) Explain the functions of below given women's intimate apparels, as foundation garments. (9 marks)

(i) Corset

(ii) Panty

(iii)Brassier

(b) Giving examples discuss how the 'protection and comfort' function is fulfilled by certain foundation garments. (5 marks)

(c) Briefly explain the evolution of men's undergarments from 'middle age' to 'modern age'. (6 marks)

(Q2) (a) Discuss the three (03) different types of men's lower body under garments. (9 marks)

(b) State five (05) types of brassieres and their functions on women's body. (5 marks)

(c) (i) State two (02) end uses of 'Corset'. (2 marks)

(ii) List the main body measurements need to be taken, in order to construct a basic corset. (4 marks)

(Q3) Write short notes on the following topics. (20 marks)

(i) Importance of Thermal Wear

(ii)Style variations of Bikini Top

(Q4) (a) Discuss the role of 'microfiber' in providing comfort to the intimate apparels. (6 marks)

(b) Discuss the special facilities provided in industrial sewing machines, in order to construct the foundation garments. (8 marks)

(c) With the aid of a diagram, briefly explain the working principle of 'cup seamer'. (6 marks)

(Q5) (a) Briefly explain the 'moulding technique', which is used for manufacturing foundation garments. (4 marks)

(b) Discuss three (03) geometric and characteristic changes occured in the fabric during the moulding process. (6 marks)

(c) State two (02) advantages and two (02) disadvantages of 'welding process', used for manufacturing garments. (4 marks)

(d) Briefly explain the three (03) kind of principles used for garment welding technique. (6 marks)

(Q6) (a) Discuss the importance of maintaining the 'Quality' of a garment, in order to obtain a profitable business. (06 marks)

(b) Giving examples, discuss the 'Acceptable Quality Level (AQL) Standards' which is used in the apparel industry for the purpose of sampling inspection. (06 marks)

(c) Explain how the 'bow and skewness' is determined in woven and knitted Fabrics. (08 marks)

(Q7) (a) Briefly explain five (05) types of defects that can be generated on garments, due to sewing. (06 marks)

(b) Most of the foundation garments consist of fused interlinings. Explain the below given defects which can be occurred due to fused interlinings. (06 marks)

(i) Strike through

(ii) Delamination

(iii)Bubbling

(c) Explain five (05) guidelines that are used by the industry, in order to inspect the quality of a finished brassiere. (08 marks)