

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

29 SEP 2020

EXAMINATION DIVISION



Study Programme	: Bachelor of Industrial Studies Honours
Name of the Examination	: Final Examination
Course Code and Title	: TTI3238/TAI3538/ TAI3332 Garment Accessories
Academic Year	: 2019/2020
Date	: 29 <sup>th</sup> September 2020
Time	: 0930-1230hrs
Duration	: 3 hours

### General Instructions

1. Read all instructions carefully before answering the questions.
2. Write down your Index Number in all the pages of answer scripts.
3. This question paper consists of **Eight (08)** questions in **three (03)** pages.
4. Total number of questions to be answered is **six (06)**.
5. Answer the **question one (Q1)**, which is compulsory and **five (05) more questions** from Q2 to Q8. Question one (Q1) carry 25 marks and questions two (Q2) to eight (Q8) carry fifteen (15) 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 the chronological order under the same question.
7. Write down the answered question numbers on the space provided in 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.

Compulsory Question

- (Q1) (a) Define the "Cotton count" and "Text count" used in thread numbering. (04 marks)
- (b) Explain the elongation at break of a sewing thread. (03 marks)
- (c) Briefly explain the applications of bindings in garment manufacture. (03 marks)
- (d) Give two (02) types of labels used in garments. (02 marks)
- (e) Discuss the end uses of "Snaps". (03 marks)
- (f) State the four (04) major parts of a "Tack button". (04 marks)
- (g) Write down four (04) performance problems of permanently attached collar stays. (04 marks)
- (h) List two (02) types of shoulder pads used in garment industry. (02 marks)

Answer any five (05) questions from the following seven (07) questions

- (Q2) (a) What are interlinings used in garments? Describe in your own words. (02 marks)
- (b) Discuss the main functions of interlinings in relation to garment manufacture. (07 marks)
- (c) Briefly discuss the performance of the interlinings used in garments in following situations. (06 marks)
- (i) During the production
- (ii) During the usage
- (Q3) (a) Discuss the advantages of using fusible interlinings to both the manufacturer and the wearer. (08 marks)
- (b) Briefly describe the problems associated with the use of fusible interlinings in garments. (07 marks)
- (Q4) (a) Briefly discuss the following functions of linings. (09 marks)
- (i) Aesthetics
- (ii) Performance
- (iii) Comfort

- (b) Write a short note on the "Various construction methods of shoulder pads".  
(06 marks)
- (Q5) (a) Write short notes on the following parts of a zipper. You should include the construction details and functions in your answer. (08 marks)
- (i) Zipper chain
  - (ii) Zipper slider
  - (iii) Zipper tapes
  - (iv) Zipper stops
- (b) Discuss the performance specifications/characteristics of buttons. (07 marks)
- (Q6) (a) Briefly discuss the performance of buttonholes. (03 marks)
- (b) Write a comprehensive note on the functions of elastics used in garments. (08 marks)
- (c) Briefly discuss the use of "Emblems" in garment manufacture. (04 marks)
- (Q7) (a) Write short notes on the followings in related to screen printing.
- (i) Preparation of screen (04 marks)
  - (ii) Preparation of ink (02 marks)
  - (iii) Process of screen printing of a flower with five petals in five colours. (05 marks)
- (b) Briefly discuss the term "Twist" in relation to sewing threads. (04 marks)
- (Q8) (a) Describe the below given types of thread constructions. (08 marks)
- (i) Core spun threads
  - (ii) Textured threads
- (b) Giving appropriate examples, describe the concept "Ticket number" used in sewing thread numbering. (07 marks)

