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

Study Programme	: Bachelor of Industrial Studies
Name of the Examination	: Final Examination
Course Code and Title	**: TAI3332 Garment Accessories**
Academic Year	: 2020/21
Date	: 23rd February 2022
Time	: 0930 – 1230hrs

General Instructions

1. Read **all** instructions carefully before answering the questions.

2. Write down your Index Number in all pages of answer scripts

3. This question paper consists of Eight (08) questions in three (04) pages.

4. Total number of questions to be answered is six (06).

5. Answer the question one (01), which is compulsory and five (05) more questions from Q2 to Q8. Question 01(Q1) carries 25 marks and question 02 (Q2) to question 08 (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 under the same question.

7. Write down the answered question numbers on 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.

Compulsory Question

(Q1) a. Write three (03) factors which affect performance and quality of linings? (03 marks)

b. Draw and name the main parts of a zipper and write down the importance of each part. (06 marks)

c. Convert 20lignes to inches. (02 marks)

d. What are the common fabrication methods of elastics? (03 marks)

e. The ticket number given on a sewing thread package is 240. It was found that this thread was made out of 2 plies. What is the count of a single ply in Nm and Tex system? (02 marks)

f. Write down six (06) factors that affect cost of embroidery? (03 marks)

g. Explain what do you mean by "Dimension stability"? (03 marks)

h. Briefly explain the importance of having good relationship between thread and the needle size. (03 marks)

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

(Q2) a. Briefly describe the functions of interlinings in a garment. (05 marks)

b. Name the factors that contribute to the aesthetics and performance of the interlinings. (04 marks)

c. Describe three (03) problems associated with the use of fusible interlinings. (06 marks)

(Q3) a. Briefly explain the functions of shoulder pads on the quality of the garments. (03 marks)

b. Briefly explain the four (04) construction methods of shoulder pads. (08 marks)

c. Briefly explain the installation methods of shoulder pads. (04 marks)

(Q4) Write short notes on the following.

a. Adhesives (05 marks)

b. Screen printing (05 marks)

c. Snaps (05 marks)

(Q5) a. List out eight (08) characteristics of buttons which are useful for a wearer. (04 marks)

b. Describe three (03) types of buttonholes used in garments. (06 marks)

c. Briefly explain the main fabrication methods of plastic buttons. (05 marks)

(Q6) a. Briefly explain the performance of hook and loop tapes. (05 marks)

b. Briefly explain three (03) performance characteristics of elastics used in a garment. (06 marks)

c. Compare and contrast the characteristics of woven and knitted elastics by providing suitable examples. (04 marks)

(Q7) a. Describe in your own words, what do you mean by trims used in garments? (02 marks)

b. Explain why do people use emblems rather than direct embroidery? (04 marks)

c. Briefly explain the following with respect to sewing thread construction. (09 marks)

i. Twist in sewing thread

ii. Number of Plies in the thread

iii. Size of the sewing thread

(Q8) a. What are the properties that should consider when selecting sewing threads?

(05 marks)

b. Briefly describe the importance of loop strength ratio and calculate the loop strength ratio of a certain sewing thread which has a tensile strength of 200 cN and loop strength of 350 cN. (04 marks)

c. Briefly explain what do you mean by Young's modulus and calculate the modulus of elasticity of a sewing thread of 400dTex which has an elongation of 5% at a force of 6.5N when extends. (06 marks)

End