

THE OPEN UNIVERSITY OF SRI LANKA
 DEPARTMENT OF TEXTILE AND APPAREL TECHNOLOGY
 DIPLOMA IN INDUSTRIAL STUDIES/APPAREL PRODUCTION AND
 MANAGEMENT



TTI4238 - GARMENT MANUFACTURE

FINAL EXAMINATION - 2007/2008

DURATION: THREE (03) HOURS

DATE: 3rd May 2008

TIME: 0930 TO 1230 HOURS

Total number of questions = 09

Number of questions to be answered = 06

Answer question one (Q1), which is compulsory and five (05) more questions.

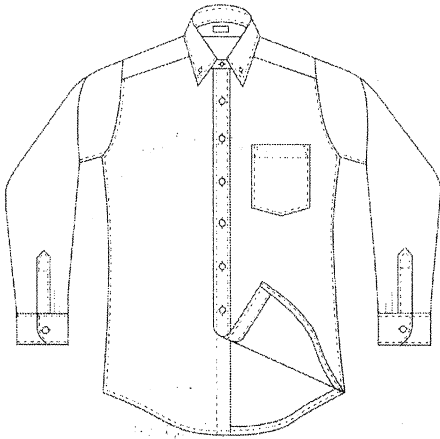
Question one (Q1) carries 25 marks and questions two (Q2) to nine (Q9) carry fifteen (15) marks each.

Compulsory Question

- (Q1) (a) List three (03) spreading requirements. (03 marks)
- (b) What are factors to be considered, when deciding the size of a bundle? (03 marks)
- (c) What are the disadvantages of the division of the labour? (03 marks)
- (d) Briefly explain the advantages of the "Make Through System" of garment manufacture. (03 marks)
- (e) Why are attachments and guides used in garment manufacturing process? (02 marks)
- (f) Define the terms "Strike through" and "Strike back" in related to fusing process. (04 marks)
- (g) What are the objectives of the pressing of garments? (03 marks)
- (h) Briefly explain the importance of the use of care labels in garments. (02 marks)
- (i) Name two (02) semi automated sewing machines. (02 marks)

Answer any five (05) from the following eight (08) questions

- (Q2) (a) Write down the style description for the given shirt. (04 marks)



- (b) Identify the parts required to construct the collar. (03 marks)
- (c) Prepare the operational break down for the collar and allocate suitable sewing machines and equipment for each operation. (08 marks)
- (Q3) (a) "Correct ply tension during the spreading process of the fabrics is very important". Giving examples discuss the above statement. (06 marks)
- (b) With the aid of suitable diagrams, briefly discuss the spreading techniques and their suitability for different types of fabrics. (09 marks)
- (Q4) (a) Compare straight knives and band knives in all aspects. (08 marks)
- (b) Discuss the working principle indicating the advantages and disadvantages of the computer controlled cutting system. (07 marks)
- (Q5) (a) Briefly discuss the features of the "Quick Response Sewing System" of garment manufacture. (10 marks)
- (b) What are the main advantages and disadvantages of the above system? (05 marks)
- (Q6) (a) Briefly explain the term "Moulding" (04 marks)
- (b) Discuss the dimensions or the characteristics, which are subjected to change during the moulding process. (04 marks)

- (c) Write a short note on use of "Welding" and "Adhesives" in garment manufacturing process. (07 marks)
- (Q7) (a) Briefly explain why operational break downs are important in garment manufacturing process. (07 marks)
- (b) What are the details you require to carry out an operational break down for a particular garment? Briefly explain the methodology you use to prepare an operational break down. (08 marks)
- (Q8) Write short notes on the following topics.
- Distribution function of packaging
 - Merchandising function of packaging
 - Vacuum packing
- (15 marks)
- (Q9) Write a comprehensive note on "transfer printing" and "screen printing" methods, which are commonly used for printing of garments. (15 marks)