

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



TTI4238/TTD2238 - GARMENT MANUFACTURE

44

FINAL EXAMINATION - 2006/2007

DURATION: THREE (03) HOURS

DATE: 18th March 2007

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.

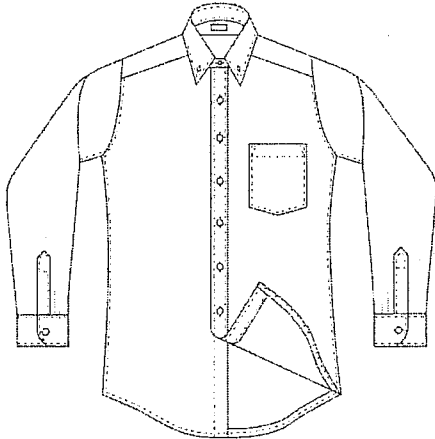
Question one (Q1) carries 25 marks and questions two (Q2) to nine (Q9) carry fifteen (15) marks.

Compulsory Question

- (Q1) (a) "Manual spreading method is more suitable for spreading of fabrics with checks, stripes and other regularly repeating patterns". Briefly explain why? (03 marks)
- (b) Explain why quality control in the cutting department is very important to reduce the internal cost. (03 marks)
- (c) What details/information are required to perform a proper **operational break down**? (03 marks)
- (d) Explain why **operational break down** is important in garment manufacturing. (03 marks)
- (e) Why are attachments and guides used in garment manufacturing process? (03 marks)
- (f) Write down two (02) methods of fabric joining other than sewing. (02 marks)
- (g) What are advantages of **under pressing**? (03 marks)
- (h) List two (02) types of labels including their content, which are used in garments. (03 marks)
- (i) Write down two (02) advantages of using automation in sewing process. (02 marks)

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

- (Q2) (a) Identify main components of the given shirt. (03 marks)



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

- (c) Prepare the operational break down for the cuff and allocate suitable sewing machines and equipment for each operation. (08 marks)

- (Q3) (a) "The production systems, which are used for garment manufacture, can be characterised by the level of the division of labour". Briefly discuss the advantages and disadvantages of division of labour .

(06 marks)

- (b) Write short descriptions about a production system, which is **more suitable for large quantities** and an another production system, which is **more suitable for small order quantities**. (09 marks)

- (Q4) (a) Compare straight knives and rotary knives in all aspects. (10 marks)

- (b) Discuss the importance of marking drill marks and notch marks on fabric panels. (05 marks)

- (Q5) "Fully automated sewing process (sewing a complete garment) is not possible due to many factors". Discuss, giving suitable examples. (15 marks)

- (Q6) (a) Write down the parameters of fusing process. (02 marks)
- (b) Write a short note on fusing problems. (08 marks)
- (c) Briefly explain why **fusing presses with more stations** are effective than **fusing machines** in producing small order quantities. (05 marks)
- (Q7) (a) Briefly explain why pressing is required in garment manufacturing. (05 marks)
- (b) Write a short description on four (04) pressing equipments (giving their working principles, applications, advantages, disadvantages etc.) (10 marks)
- (Q8) (a) What factors must be considered, when washing soiled garments. (05 marks)
- (b) Write down the advantages of enzyme washing over the use of pumice stones. (10 marks)
- (Q9) Write a comprehensive note on functions of packaging. (15 marks)