

THE OPEN UNIVERSITY OF SRI LANKA
 DEPARTMENT OF TEXTILE AND APPAREL TECHNOLOGY
 CERTIFICATE IN INDUSTRIAL STUDIES
 TTI2634 – APPAREL TECHNOLOGY
 FINAL EXAMINATION - 2013/2014
 DURATION: THREE (03) HOURS



DATE: 14th August 2014

TIME: 0930 TO 1230 HOURS

Total number of questions = 08

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 eight (Q8) carry fifteen (15) marks each.

Compulsory Question

- (Q1) (a) State three (03) important items/details required for the construction of patterns. (03 marks)
- (b) State and briefly describe the three (03) methods of stitch formation. (06 marks)
- (c) Briefly explain why samples should be made in apparel manufacturing. (05 marks)
- (d) State and briefly describe the five (05) major functions of management. (05marks)
- (e) Briefly describe three (03) methods, which can be used for payment of wages for sewing machine operators. (06 marks)

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

- (Q2) (a) Briefly explain the concepts of “pattern drafting” and “pattern manipulation”. (05 marks)
- (b) List ten (10) important measurements, which are necessary for constructing women’s wear. With the aid of suitable diagram/s describe the methods of taking above mentioned measurements. (10 marks)

- (Q3) (a) Briefly explain why different types of stitches are used for seam construction of garments. (05 marks)
- (b) State five (05) commonly used seam types for garment construction. Draw their construction steps. State their applications as well. (10 marks)
- (Q4) (a) State seven (07) important parts of a lock stitch sewing machine along with their functions. (07 marks)
- (b) Write a short note on the factors governing the selection of interlining (08 marks)
- (Q5) (a) Explain why quality control in cutting department of a apparel manufacturing organisation is very important. (04 marks)
- (b) Compare straight knives and rotary knives in all aspects. (06 marks)
- (c) Describe the requirements of spreading of fabrics. (05 marks)
- (Q6) Write a comprehensive note on the different types of production systems used in the apparel industry. (15 marks)
- (Q7) (a) Briefly describe the processes of stone washing and enzyme washing. (07 marks)
- (b) Briefly explain the concepts of work study and method study related to apparel industry. (08 marks)
- (Q8) (a) Describe the concepts of quality of design and quality of conformance. (06 marks)
- (b) Write a short note on the cost of quality. (09 marks)