

THE OPEN UNIVERSITY OF SRI LANKA
 DIPLOMA IN INDUSTRIAL STUDIES
 FINAL EXAMINATION - 2012/2013
 TTI3235- APPAREL PRODUCTION
 DURATION – THREE HOURS



Date: 01st August 2013

Time: 0930-1230 hours

Answer question 1, which is compulsory and additional five (05) questions.

Question 1 carries twenty-five (25) marks and Question 2 to 8 carry fifteen (15) marks each.

Compulsory Question

1. a) What are the five (05) design principles, which are important in designing a garment? (02 marks)
- b) What is the purpose of using interlinings in a garment? (02 marks)
- c) State three (03) important factors that must be considered during the construction of sewing threads. (03 marks)
- d) Draw a flow diagram to show the stages from fibre manufacturing to consumption of garments in fashion & clothing business. (03 marks)
- e) Distinguish between pattern drafting and pattern manipulation. (04 marks)
- f) Briefly explain the terms, 'interlooping' and 'interlacing'. (02 marks)
- g) Selection of seams for a particular garment depends on five (05) factors. What are they? (02 marks)
- h) State two (02) basic functions of the take up lever in a sewing machine. (02 marks)
- i) What is 'cut order planning'? (02 marks)
- j) State six (06) types of fusing problems. (03 marks)

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

2. Assuming that, you are the designer of a certain garment manufacturing company; explain the process in steps that you need to follow, to present a range of garments for winter 2013. (15 marks)
3. a) Briefly explain why the correct selections of suitable support materials are essential in garment manufacturing. (05 marks)
- b) Carrying out tests on accessories, fabrics and finished garments for kids wear is very important. Explain this statement providing suitable examples. (10 marks)
4. a) Briefly explain two (02) methods of thread construction with suitable diagrams. (06 marks)
- b) Calculate the resultant count and the ticket number of a sewing thread made up of two plies of 90Nm. (09 marks)
5. a) Draw the production sketch of a shirt. (05 marks)
- b) Identify five (05) different seam types in the garment you sketched in part (a). Name and draw the cross sections of those seams. (05 marks)
- c) Mention the possible stitch types that can be used, in constructing those seams. (05 marks)
6. a) Explain the term 'stitch' according to British Standard 3870. (05 marks)
- b) Compare and contrast the stitch types 301 and 401 in all aspects. (10 marks)
7. a) Name two (02) methods of marker making. (02 marks)
- b) Discuss the advantages of using any one (01) of those methods in the garment industry. (05 marks)
- c) What are the advantages and disadvantages of using band knife? (08 marks)
8. a) Write two (02) advantages and disadvantages in 'division of labour'. (04 marks)
- b) What is the most suitable garment manufacturing system for apparel industry in Sri Lanka? Provide reasons to prove your answer by comparing other garment manufacturing systems. (11 marks)