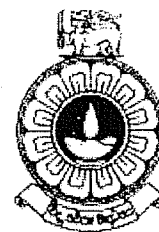


THE OPEN UNIVERSITY OF SRI LANKA
 DEPARTMENT OF TEXTILE AND APPAREL TECHNOLOGY
 BACHELOR OF INDUSTRIAL STUDIES HONOURS/BACHELOR OF
 TECHNOLOGY HONOURS
 FINAL EXAMINATION- 2015/2016
 TTI3235-APPAREL PRODUCTION
 DURATION: 3 HOURS



Date: 25th November 2016

Time : 0930-1230 hrs

Total Number of questions =08

Number of questions to be answered = 06

Answer Question 1, which is compulsory and additional five (5) questions. Question 1 carries twenty-five (25) marks. Other questions carry fifteen (15) marks each.

Compulsory question

- (1) (a) A collection is a range of garment styles, which are designed for a particular market. Write three (3) factors that should be considered in developing a collection. (3 Marks)
- (b) What do you understand by a "Creative design"? (3 Marks)
- (c) What are the three (3) dimensions of colour? (3 Marks)
- (d) What are the two (2) main methods of pattern construction? (2 Marks)
- (e) What is the difference between "Interlooping" and "Intraloooping"? (3 Marks)
- (f) What are the three (3) dimensions of a seam? (3 Marks)
- (g) Draw a rough sketch of a sewing needle. Mark and name six (6) main parts of a needle on the drawn diagram. (3 Marks)
- (h) What is the use of the back tack lever in a sewing machine? (2 Marks)
- (i) What is a "Marker"? (3 Marks)

Answer any five (5) questions from following questions.

- (2) (a) Design principles are important in designing garments. What are the five (5) main principles of designing garments? (3 Marks)
- (b) Explain three (3) of the design principles you mentioned above emphasising how it affects in designing a particular style of a garment. (12 Marks)

- (3) (a) What are the required measurements to draft patterns for a basic skirt pattern?
(2 Marks)
- (b) With the help of rough sketches explain the method of constructing patterns for the basic front skirt pattern.
(13 Marks)
- (4) (a) What are the different stages of product development process of garments?
(3 Marks)
- (b) Select four (4) stages from part (a) and briefly explain the tasks involved in each stage.
(12 Marks)
- (5) (a) Define the term "Stitch" according to the British Standard. (3 Marks)
- (b) Briefly explain how the thread tension affects the stitch formation (8 Marks)
- (c) Write four (4) applications of stitch type 301. (4 Marks)
- (6) (a) Explain why it is necessary to prepare markers in mass scale garment manufacturing. (3 Marks)
- (b) Briefly explain three (3) constraints that a marker maker should consider when making markers. (6 Marks)
- (c) With rough sketches, explain six (6) types of markers. (6 Marks)
- (7) (a) Briefly explain three (3) requirements of fabric spreading. (3 Marks)
- (b) Compare straight knife and band knife in four (4) aspects. (8 Marks)
- (c) Explain four (4) types of fusing problems. (4 Marks)
- (8) (a) Briefly explain why division of labour is widely used in garment industry.
(5 Marks)
- (b) Compare the conventional bundle system over the progressive bundle system used in garment manufacturing.
(10 Marks)