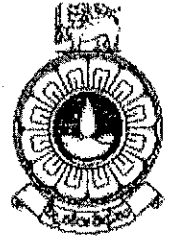


THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF TEXTILE AND APPAREL TECHNOLOGY
POST GRADUATE DIPLOMA/MASTER OF TECHNOLOGY IN APPAREL
PRODUCTION AND MANAGEMENT
FINAL EXAMINATION - 2016/2017
TTM7136 - SUPPLY CHAIN MANAGEMENT
DURATION - 3 HOURS



DATE: 27th November 2017

TIME: 0930-1230 Hours

INSTRUCTIONS TO CANDIDATES

This paper contains SIX (06) Questions in FOUR (04) pages.

Part A is a compulsory question. Part B consists of 5 questions, out of which you need to select 4.

The total maximum mark attainable is 100. The marks assigned for each question in each section are indicated in brackets.

This examination is a closed book examination.

Assume reasonable values for any data not given in or with the examination paper.

Clearly state such assumptions made on the script.

If you have any doubt as to the interpretation of the wording of a question, make your own decision, but clearly state it on your answer script.

Part A - Compulsory

Answer all the questions. Each question carry equal marks.

- a) Discuss the importance of Logistic Management for an Apparel Manufacturing Company.
- b) Explain why it is important to understand the three concepts; Responsiveness, Reliability and Relationships, for a successful Supply Network?
- c) Analyse the disadvantages of not maintaining a Master Production Schedule.

- d) Explain as to how can be applied KAIZEN to an apparel organization, to improve the supply chain network.
- e) Analyse how cross docking impacts on enhancing the efficiency of inventory management.
- f) Evaluate the parameters you would use to make a decision to outsource a logistics operation.
- g) Discuss the strategic role of warehousing in supporting and improving customer service levels.
- h) Analyse the risks that are associated with single supplier sourcing.

(8 x 5 Marks = 40 Marks)

Part B

Question 01

- a) Assess the key barriers in supply Chain Management when achieving effective partnerships in-between supply chain entities. (7.5 Marks)
- b) Summarize the importance of information in a typical supply chain of a garment manufacturer. (7.5 Marks)

Question 02

EDSO is a leading Winter Cloths manufacturer to the UK Market, who keeps the finished garments within the production facility before exporting. The garments are then transported from the warehouse in the production facility to the Port Warehouse until shipped. Then they are transported to distribution centres located in main cities and the garments are transported to the retail outlets.

- a) Draw a graph to integrate the value adding functions from the factory to the hand of the customer. (7.5 Marks)
- b) Analyse the logistics costs associated in the EDSO winter cloth Supply Chain. (7.5 Marks)

Question 03

- a) Recommend with a product example of your choice how Sri Lankan apparel industry can structure its supply chain drivers in its operation to improve the customer responsiveness. (7.5 Marks)
- b) Suppose you are managing a leading garment company that produces sportswear for the local market. Critically discuss on the strategic, tactical and operating issues you might come across. (7.5 Marks)

Question 04

- a) Explain why do we need effective inventory management? (7.5 Marks)
- b) Compare and contrast the advantages and disadvantages of various modes of Transportation of garments in Sri Lanka. (7.5 Marks)

Question 05

- a) Identify the key challenges concerning international trade for a senior supply chain executive of a global enterprise and verify the order of importance. (7.5 Marks)
- b) Select the number one challenge on the list and identify the steps required to understand, analyse, scope for improvement and implement change. (7.5 Marks)