

UNIVERSITY OF BOLTON

OFF CAMPUS DIVISION

SCMPC MALAYSIA

SUPPLY CHAIN MANAGEMENT

SEMESTER 1 EXAMINATION 2018/2019

PHYSICAL SUPPLY CHAIN MANAGEMENT

MODULE NO. EBU 7002

Date: Saturday 19th January 2019

Time: 3 Hours

INSTRUCTIONS TO CANDIDATES:

There are six questions on this paper.

Answer four questions.

All questions carry equal marks.

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Off Campus Division
SCMPC Malaysia
Supply Chain Management
Semester One Examination 2018/2019
Physical Supply Chain Management
Module No. EBU7002

1. Space is often limited in a warehouse or distribution centre. However, there are applications of appropriate technology that can assist operators in maximising the productive use such space as there is. In other words, to assist in maximising *storage density*.

Describe and evaluate what you consider to be the main approaches and equipment that might be of value in this respect, including in your answer some critique of the disadvantages as well as the benefits associated with your selected technology.

(Total: 25 Marks)

2. Developments in handling technology have made a wide range of powered equipment available to the operators of warehouses and distribution facilities.

Identify and evaluate the usefulness and limitations of the main types of powered equipment.

(Total: 25 Marks)

3. Much attention has been paid in fairly recent years to 'lean thinking' in management.

Critically appraise the applicability of lean philosophies in the physical supply chain.

(Total: 25 Marks)

4. Physical Supply Chain dynamics require consideration of push and pull forces, and of the decoupling point.

Provide an example of a physical supply chain with which you are familiar, explaining when push becomes pull, and assessing the factors that affect the location of the decoupling point.

(Total: 25 Marks)

Please turn the page.

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5. Evaluate and critically discuss the factors to be considered when considering the adoption of a 'significant' versus a 'non-significant' system when introducing a classification and coding system for materials management.

(Total: 25 Marks)

6. RFID is an abbreviation that will be familiar to most physical supply chain managers.

Expand this term, and evaluate the ways in which the technology is currently employed, and might be employed in the future to improve performance in the physical supply chain.

(Total: 25 Marks)

END OF QUESTIONS