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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
(ONLINE)
SEMESTER I
SESSION 2020/2021**

COURSE NAME : LOGISTIC MANAGEMENT
COURSE CODE : BPB 44903
PROGRAMME CODE : BPA
EXAMINATION DATE : JANUARY / FEBRUARY 2021
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF **THREE (3) PAGES**



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Q1 (a) Explain **TWO (2)** differences between pull scheduling and push scheduling.
(5 marks)

(b) Dealers have criticized the way auto assemblers use just-in-time (JIT) as an excuse for buying parts from the inbound supply network 'so that their costs are kept down'. They then dump finished vehicles onto the dealer by matching 'their perceptions of a marketplace demand with their constraints as a manufacturer, i.e. what they have produced'.

Examine **TWO (2)** trade-offs implied in these comments on the use of JIT from the disgruntled dealers.
(10 marks)

(c) Toyota and Ford used production systems that aims to improve the planning and control of their supply chain processes.

Discuss **TWO (2)** differences between the systems used by Toyota and Ford.
(10 marks)

Q2 (a) Identify order winning and order qualifying criteria for **ONE (1)** example of high-value automotive product.
(5 marks)

(b) Examine the extent lean and agile supply chain mindsets contribute to the support of the product in **Q2(a)** in the marketplace.
(10 marks)

(c) Discuss **TWO (2)** approaches that can be used to combine lean and agile according to their appropriate market condition, with examples.
(10 marks)

Q3 Center of Advanced Procurement Strategy (CAPS) listed the top 10 issues relating to the implementation of procurement strategy, as summarized in **Table Q3**.

Table Q3: Top 10 issues in procurement strategy implementation

No.	Issue
1.	Vision, mission and the strategic plan
2.	Commodity and supplier strategy process
3.	Strategic cost management
4.	Engagement by corporate executives and business unit leaders
5.	Human resource development
6.	Procurement and supply organization structure and governance
7.	Measurement and evaluation
8.	Total cost of ownership
9.	Functional and business processes, practices and systems
10.	Structuring and maintaining the supply base

Recently, as reported in Bernama (2020), Health director-general Tan Sri Dr Noor Hisham Abdullah said Malaysia’s procurement and use of the Covid-19 vaccine will depend on five aspects. He said they are safety registration, supply, distribution, monitoring of side effects and evaluation of the vaccine’s effectiveness.

Examine how **FIVE (5)** of the issues in **Table Q3** can contribute to a well-crafted procurement strategy for Malaysia’s purchase of the Covid-19 vaccine.

(25 marks)

Q4 (a) Apple is a fantastic example of a successful reverse logistics system. Apple manufactures iPhones and other products, which are then sold in various stores across the world. Consumers purchase iPhones and enjoy the product until they want to upgrade their product. When consumers return to a store to buy the latest model, Apple offers consumers discounts on a new product if they turn in their old product. Apple then collects the old models and brings the products back to their factories. This process allows Apple to use parts from previous models in their newer products, helping Apple be more environmentally friendly and save money on production costs.

Explain **TWO (2)** similarities between the reverse logistics strategy that Apple used with closed loop logistics.

(5 marks)

(b) Humanitarian logistics is required in response to humanitarian disasters.

(i) Discuss **TWO (2)** logistics strategies that are appropriate for humanitarian relief, with examples.

(10 marks)

(ii) Determine the stage at which the strategies in **Q4(b)(i)** can be best implemented, with justification.

(10 marks)

-END OF QUESTIONS-

