

FINAL EXAMINATION

Programme Name	:	BSC (HONS) MARITIME BUSINESS AND LOGISTICS
Course Code & Name	:	MAL3013 INTERNATIONAL LOGISTICS MANAGEMENT
Duration	:	3 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Please read the instructions given in the question paper **CAREFULLY**.
2. The question paper consists of **FOUR (4)** questions.
3. Answer **ALL** questions in the question paper.
4. Answers to the questions are to be written into the examination booklet.
5. Electronic dictionaries, lecture notes, files or any unauthorised materials except writing equipment are strictly prohibited.

This question paper must be submitted along with all used and/or unused rough papers and/ or graph papers (if any). Candidates are **NOT ALLOWED** to take any examination paper(s) used or unused out of the examination hall.

WARNING:

The Examination Board of Peninsula College Georgetown regards cheating as a very serious offence and will not hesitate to mete out the appropriate punitive actions according to the severity of the offence committed, and in the accordance with the clauses stipulated in the Students' Handbook, up to and including expulsion from Peninsula College Georgetown.

(This booklet contains 2 printed pages including this page)

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ALLOWED TO DO SO

Answer **ALL** questions on the separate sheet provided.

[100 marks]

1. a) i) Describe the relationship between the supply chain and the value chain. (5 marks)
 - ii) Illustrate **TWO (2)** factors that contribute to value creation of an efficient supply chain. (10 marks)
 - b) Compare lean and agile logistics strategies. (10 marks)
- Total: [25 marks]
2. Demonstrate **THREE (3)** phases of Humanitarian Relief Logistics Management with appropriate example. (25 marks)
- Total: [25 marks]
3. A factory manufactures two types of gadgets, regular and premium. Each gadget requires the use of two operations, assembly and finishing, and there are at most 12 hours available for each operation. A regular gadget requires 1 hour of assembly and 2 hours of finishing, while a premium gadget needs 2 hours of assembly and 1 hour of finishing. Due to other restrictions, the company can make at most 7 gadgets a day. If a profit of RM20 is realized for each regular gadget and RM30 for a premium gadget, calculate the quantity of each gadget required to be manufactured in order to maximize profit. (Solve this problem graphically). (25 marks)
- Total: [25 marks]
4. The Nadi Teras, a medical equipment company estimates its carrying cost at 15% and its ordering cost at RM9.00 per order. The estimated annual requirement is 48,000 units at a price of RM4.00 per unit.
 - a) Calculate the most economical number of units to order. (3 marks)
 - b) Calculate the number of orders should be placed in a year. (2 marks)
 - c) Calculate the frequency of orders to be placed. (2 marks)
 - d) Explain **THREE (3)** advantages and **THREE (3)** disadvantages of calculating Economic Order Quantity (EOQ). (18 marks)
- Total: [25 marks]

- END OF QUESTIONS -