



**UNIVERSITI KUALA LUMPUR**  
**MALAYSIAN INSTITUTE OF MARINE ENGINEERING TECHNOLOGY**

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**FINAL EXAMINATION**  
**SEPTEMBER 2016 SEMESTER**

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**COURSE CODE** : LGB 41902  
**COURSE NAME** : MARITIME ECONOMICS AND TRANSPORTATION  
**PROGRAMME NAME** : BACHELOR OF NAVAL ARCHITECTURE AND SHIP BUILDING  
**DATE** : 20<sup>TH</sup> JANUARY 2017  
**TIME** : 03.00 PM – 05.00 PM  
**DURATION** : 2 HOURS

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**INSTRUCTIONS TO CANDIDATES**

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1. Please **CAREFULLY** read the instructions given in the question paper.
2. This question paper has information printed on both sides of the paper.
3. Answer **FOUR (4)** questions **ONLY**.
4. Please write your answers on the answer booklet provided.
5. Answer all questions in English language **ONLY**.

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**THERE ARE 4 PAGES OF QUESTIONS, INCLUDING THIS PAGE.**

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**SECTION A (Total: 100 marks)****INSTRUCTION: Answer FOUR question ONLY.****Please use the objective answer sheet provided.****Question 1**

Demand in transportation composed of suppliers of transport services and users of these services. Well-functioning in transport allow transport supply to meet transport demand so that transport needs for mobility are satisfied.

- (a) Explain the direct and indirect service in global freight flow  
(9 marks)
- (b) Discuss an advantages and disadvantages between road and railroad transport modes.  
(16 marks)

**Question 2**

Logistics integration and network orientation in the port and maritime industry have redefined the functional role of ports in value chains and have generated new patterns of freight distribution and new approaches to port hierarchy. The optimized the shipping networks are by rationalizing coverage of ports, shipping routes and transit time.

- (a) Evaluate phase of regionalization in development of port system.  
(16 marks)
- (b) Explain how hub and spoke transport concept in hub feeder networks.  
(9 marks)

**Question 3**

Ports are important economic catalysts for the regions that are serve. Due to the various types of international cargo being transported by sea, there has been a requirement to build many kinds of ships to ensure the efficiency in international freight movement.

- (a) Discuss the differences concept of land, mini and micro bridge in intermodal model routing.

(9 marks)

- (a) Explain four factors that influencing ship owners to choose seaport.

(16 marks)

**Question 4**

A very large proportion of the world's trade is carried on tramp vessels. Tramp shipping commonly deals with cargo owner and ship owner in a special contract is known as a chartering.

- (a) Discuss the ship chartering process and discuss the differences between time and bareboat charter parties.

(16 marks)

- (b) Explain content in general charter condition agreement or Gencon that commonly use during chartering.

(9 marks)

**Question 5**

Due to the various types of international cargo being transported by sea, there are different types and sizes of ship or vessel to meet the demand of maritime cargo transportation. This is to ensure the efficiency in international freight movement.

(a) Explain the operation cost, variable cost and profit in shipping industry

(9 marks)

(b) Discuss the concept of demand and supply in shipping

(16 marks)

**END OF EXAMINATION PAPER**