



WEDNESDAY 23RD NOVEMBER 2016 – AFTERNOON

LOGISTICS & MULTI-MODAL TRANSPORT

Time allowed – three hours

Answer any FIVE questions – all questions carry equal marks

Please read the questions carefully before answering

1. Answer **BOTH** parts of the question.
You are an importer of consumer goods from Asia, with your business based in the east of the United States.
 - a) What different modes of transport and routes could you use to transport your goods from the supplier to your distribution centre in the USA?
 - b) Describe the advantages and disadvantages of each mode/route.

2. Answer **BOTH** parts of the question.
 - a) Discuss the advantages and disadvantages of buying or leasing containers for a multi-modal operator.
 - b) The cost of repositioning empty containers has an impact on the profitability of a multi-modal container operator. Discuss how an operator can reduce or avoid these costs.

3. What are the principal components of a multi-modal transport system? Distinguish between 'physical', 'human resources' and 'data management' components, and using examples to support your answer, explain how an efficient system contributes to the overall effectiveness of a supply chain.

4. Explain the three main functions of a bill of lading, with specific reference to how these functions apply at the different stages of a through transport movement.

PLEASE TURN OVER

5. Answer **ALL** parts of the question.
- a) What are the purpose and the role of INCOTERMS?
 - b) Explain the difference between E, F, C and D terms, using an example from each group to support your answers.
 - c) For each chosen example, explain the division of costs and when property and risk pass between the seller and the buyer.
6. Explain in detail **FOUR** of the following terms and their importance to multi-modal transport:
- i. IMDG Code
 - ii. Rotterdam Rules
 - iii. WTO
 - iv. Letter of Credit
 - v. NVOCC
 - vi. COTIF and CIM
7. Define a 'just in time' supply chain. Describe in detail the key service elements which a multi-modal carrier must provide to a 'just in time' client, explaining why they are important. What are the risks to the carrier and to the customer in this approach? Use examples to support your answer.
8. You are a shipper of machinery, based several hundred kilometres from a deep sea port, with access to road, rail and short sea feeder services to the deep sea port.
- Describe the advantages and disadvantages of using each of these three modes, considering economic, environmental and service-related factors. Use examples to support your answer.