**JAIPURIA INSTITUTE OF MANAGEMENT, INDORE**

**PGDM**

**FIFTH TRIMESTER (Batch 2020-22)**

**END TERM IMPROVEMENT EXAMINATION, March-2022**

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| Course Name | **Logistics Management** | Course Code | **40523** |
| Max. Time | **2 hours** | Max. Marks | **40** |

**INSTRUCTIONS:**

* Students may use the computers in the IT lab where no internet will be allowed and they can only use the excel sheet.
* The excel files will be submitted along with the student’s answer sheet.

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**Questions.1 (5+5)**

The Appellant had goods dispatched to himself on a vessel operated by the Respondent. The seller of the goods handed the goods over to the Respondent for shipping to the Appellant. On receipt of the goods, the Respondent gave the seller a document entitled ‘Cargo Receipt’. It was agreed that in arranging the shipment of the goods the seller acted as an agent for the Appellant. When the vessel arrived at the location of the Appellant some of the merchandise had gone missing. The appellant issued a writ of summons.

At the hearing the Magistrate found in favor of the defendant carrier. The carrier relied on a limitation clause printed on the back of the Cargo Receipt which provided that the shipper must notify the carrier of a loss within one month of shipment. The Magistrate found that the Cargo Receipt did not incorporate the terms of the contract between the parties as that document was not brought to the attention of the shipper or his agent before the contract was concluded.

Refer to the above case and discuss that who should bear the losses in the above case and why? Briefly discuss the type of remedial actions to avoid such situations.

**Questions.2 (5+5)**

India is a country which has suffered a lot from natural disasters, whether, a super cyclone in Orissa in 1999; earthquakes in Gujarat in 2001; the Indian Ocean tsunami of 2004; or the cloudbursts and floods of Uttarakhand in 2013. The Indian subcontinent is prone to natural disasters and has been severely affected by natural calamities in the past. In the past decade, differing major natural disasters have each taken between 300 and more than 6,000 human lives.

In the context of the aforementioned situation, discuss the integrated framework for the humanitarian logistics? Discuss the differentiating issues from conventional logistics to the humanitarian logistics?

**Questions.3 (10)**

Falcon produces automated valve controller (AVC) in each of two different plants (A and B). The unit production costs and monthly production capacity of the two plants are indicated in the table below. The AVC are sold through three wholesalers. The shipping cost from each plant to the warehouse of each wholesaler along with the monthly demand from each wholesaler are also indicated in the table. The management of Falcon now has asked their top executive (Operations) to address the following two questions. How many AVC should be produced in each plant, and how should they be distributed to each of the three wholesaler warehouses so as to minimize the combined cost of production and shipping?

|  |  |  |  |
| --- | --- | --- | --- |
|  | Unit Shipping Cost | Unit Production Cost | Monthly Production capacity |
| Warehouse-1 | Warehouse-2 | Warehouse-3 |
| Plant A | ₹22 | ₹14 | ₹30 | ₹600 | 100 |
| Plant B | ₹16 | ₹20 | ₹24 | ₹625 | 120 |
| Monthly Demand | 80 | 60 | 70 |  |  |

**Questions.4 (2.5+2.5+2.5+2.5)**

Compare and contrast the logistical issues involved in collection of recyclable materials in the following industries:

• Textile industry

• Electronics industry

• Healthcare industry

• Hotel industry