

The  
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**DIPLOMA UNIVERSITY EXAMINATIONS**  
**SCHOOL OF MANAGEMENT AND LEADERSHIP**  
**DIPLOMA IN SUPPLY CHAIN MANAGEMENT**

**DSM 105 : LOGISTICS AND DISTRIBUTION MANAGEMENT**

**DATE: 31<sup>ST</sup> MARCH 2022**

**DURATION: 2 HOURS**

**MAXIMUM MARKS: 70**

**INSTRUCTIONS:**

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **FOUR** questions.
6. Question **ONE** carries **30 MARKS** and the rest carry **10 MARKS** each.
7. **Write all your answers in the Examination answer booklet provided.**

**QUESTION ONE**

Read the Case Study below carefully and answer the questions that follow:

**GLOBAL INDUSTRIAL MANUFACTURER**

For this global industrial manufacturer of vehicles and engines, production depends on exceptional and reliable service throughout the supply chain. When the manufacturer was looking for a partner to manage its distribution centers, it sought a company familiar with the challenges of automobile supply chain management and decided on abc Logistics. ABC has managed inventory in two of the manufacturer's facilities in Mexico since 2002.

As part of its work, ABC manages one 150,000-square-foot internal distribution center and one 400,000-square-foot external distribution center. It provides receiving, storage, sequencing, kitting and repacking. ABC handles large parts and modules as well as shipping racks and the trailer yard. ABC also designs and produces the material sequencing racks in-house, saving production space and reducing downtime.

**Required:**

- a) Demonstrate the key components of the logistics of the global industrial manufacturer of vehicles and engines mention above (15MARKS)
- b) Describe the critical steps ABC has to follow when planning a warehouse or distribution center? (12 MARKS)
- c) Define inventory (3 MARKS)

**QUESTION TWO**

- a) Explain FIVE ways in which cost can be minimized in an organization through efficient logistic operations (5MARKS)
- b) Illustrate with the help of a diagram the planning and control cycle (5MARKS)

**QUESTION THREE**

- a. List four key components of logistics. **(4MARKS)**
- b. It is useful to consider logistics in context to business and the economy as a whole. Explain **three** importance of logistics in a retail industry. **(6MARKS)**

**QUESTION FOUR**

- a. Explain **Two** Objectives of JUST IN TIME approach in inventory management **(4MARKS)**
- b. Globalization almost certainly leads to greater changes with significant implication in logistics operations. Highlight at least three of these changes **(6MARKS)**

**QUESTION FIVE**

- a) Differentiate between logistic and supply chain **(2MARKS)**
- b) Name the seven 'rights' of customer service. **(7MARKS)**

**QUESTION SIX**

- a) Define distribution management. **(2MARKS)**
- b) Describe the different alternative distribution channels **(8MARKS)**

