

Transport Management Assignment

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1. Give short answers for the following questions:

- a. Name the different kinds of transportation used for moving goods in supply chain?

There are primarily five different options. Rail, Road, Water, Air and Pipeline.

- b. Outline the benefits of using road transportation.

Flexibility of the transportation (does not have to stick to such rigid timetables as other modes and can go on trips at short notice with little planning) and ability to visit nearly any location (advanced road network) which can in turn give a potentially shorter general journey time.

- c. What are the different types of shipments used for transporting goods?

General Cargo Shipments, Bulk Carriers, Tankers, Container Ships, Ferries, Barges and Combination Ships.

- d. Which factors should be considered when choosing a mode of transport for transporting goods?

- Nature of the material
- The Volume
- The Distance
- Value of Materials
- Importance
- Transit Times
- Reliability
- Cost and Flexibility
- Reputation and stability of the carrier
- Security, Loss and Damage
- Schedules and Frequency of Deliveries
- Special Facilities

- e. Explain the different types of operations available for moving goods by air.

Usual Service- This is where goods can be transported in the cargo space in passenger aircraft that is not required for baggage.

Cargo Service- Operators operate cargo planes on a usual schedule

Charter Operations- An entire aircraft is hired for a specific delivery

2. What is intermodal transportation? What are the key advantages of using this type of transport system?
 - a. Intermodal transportation is where a delivery journey is split into stages and then the best mode of transportation is used for each stage. Intermodal transportation usually incorporates containerisation; this being where goods are placed in a modular or utilised load most commonly a single sealed container, which will then be transported from point to point with the good remaining inside. Some key advantages of this system are:
 - i. Simplified transport and flow of goods
 - ii. Easier and faster handling
 - iii. Genuine Door to Door Service
 - iv. Faster Deliveries
 - v. Reduced Loss due to damage or misplacement
 - vi. Reduced parking cost
 - vii. Reduced Insurance Cost
 - viii. Separation of incompatible goods
 - ix. Use of less congested routes
 - x. Improved transport which will encourage trade
3. What is third party transport? Describe the advantages of using this type of transportation
 - a. Third Party Transporters are specialised transport businesses which provide a variety of services to other companies to transport their goods. Some benefits of using this system are:
 - i. Specialised Companies Operate the transport leaving the organisation to focus on their work
 - ii. The system is likely cheaper than the organisation running their own transportation
 - iii. Rapid Changes can be made especially with multiple transport companies
 - iv. Managing transport needs specialist skills which dedicated companies have
 - v. Training and recruitment into the area can be expensive for an organisation and is usually better to leave to a specialist company