
	K S RANGASAMY COLLEGE OF TECHNOLOGY Tiruchengode – 637215 (An Autonomous Institution, Affiliated to Anna University, Chennai) DEPARTMENT OF MECHANICAL ENGINEERING	
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FLIPPED CLASS

Programme & Branch	B.E /B.TECH (EEE,ECE,FT,TXT & BT)	Semester	VII
Course Code & Name	50 ME L05 – LOGISTICS MANAGEMENT		
Maximum Marks	20	Date	02.04.2023

The video link for the topic “**Concept of warehousing and material handling equipment systems**” is <https://www.youtube.com/watch?v=RtQReqBaP00&t=602s>. All the students are requested to listen the video and come with preparation. Evaluation to be held on 03.04.2022 (Third Hour) in our classroom Hall Number A 105 in Mechanical Block.

Course Instructor


Mr. Ramesh C

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Programme & Branch	B.E /B.TECH (EEE,ECE,FT, TXT & BT)	Semester	VII
Course Code & Name	50 ME L05 – Logistics Management		
Maximum Marks	20	Date	03.04.2023

Module: Management

Topic: - Concept of warehousing and material handling equipment systems

Video Link: <https://www.youtube.com/watch?v=RtQReqBaP00&t=602s>

Q.NO	Questions	Blooms Level	CO	Marks
1	List out the objectives of Logistics management.	Re	CO 2	2
2	List out the benefits of Warehousing.	Re	CO 2	2
3	What are the functions of warehousing?	Re	CO 2	2
4	Define role of logistics in customer value delivery chain.	Re	CO 2	2
5	Define outbound logistics.	Re	CO 2	2
6	Difference between inbound and outbound logistics.	Kn	CO 2	10

Blooms Level	Marks
Remember	10
Knowledge	10

Q.No	CO	Marks
1,2,3,4,5,6	CO2: Apply the concept of warehousing and material handling equipment systems in logistics management.	20


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1. Type of returns:

Reverse logistics system in logistic management need to accomodate different types of returns such as

- * defective products,
- * damaged products,
- * expired products,
- * products that are incorrectly shipped.

The design of the reverse logistic system here should consider the processes and facilities required to handle these various of types of returns efficiently.

2. Reverse logistics networks:

The design of a reverse logistics networks involves determining the locations of

- * collection points,
- * collecting centers,
- * consolidation centers,
- * disposition centers.

This network should be designed to minimize the transportation costs, reduce lead times and ensure timely processing of returns.

3. Disposition of returns:

After a returned product is received, it thereby needs to be *inspected

* sorted and

* processed for disposition.

Depending the basis on the type of returns, product may need to be refurbished, repaired, resold (or) recycled.

This the design of the reverse logistics systems should consider the disposition options available and the required processes and facilities to manage each option.

4. IT systems:

The reverse logistics system requires effective IT systems to track and manage the return processes.

Thus, the system should provide visibility to the returns process to all stakeholders, including customers, carriers, and internal staff to enable efficient handling of the returns.

(1)

Cite examples of two successful Indian e-commerce business firms and discuss how they are organizing logistical operation.

Two successful Indian e-commerce companies are Flipkart and Amazon. Both companies have implemented efficient logistical operations to ensure timely delivery of products to customers. Here are some examples of how these companies organize their logistical operations:

1) Flipkart:

10 Flipkart is one of the leading e-commerce platforms in India. It operates a complex logistics network that enables it to deliver products to customers across India. Flipkart has developed a network of warehouses and fulfilment centers across India to manage its inventory & facilitate fast delivery.

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Flipkart has built its logistic infrastructure by leveraging technology, innovation and partnerships. It also partners with local kirana stores, which acts as last-mile delivery points for customers in the remote locations.

CPA
Flipkart also operates its own delivery fleet which includes bikes, vans and trucks to ensure timely and efficient delivery of products.



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Impact Analysis of Flipped Class Activity

1. From the above flipped class activity, the students are knowing the objectives, functions, benefits of warehousing.
2. Students can solve the problems in inbound and outbound logistics, 3PL and factors to be considered for material handling system.

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