

## **BA5059 CONTAINERIZATION AND ALLIED BUSINESS**

### DETAILED SYLLABUS

#### **OBJECTIVES**

- To provide an overview of the various elements of containerization and allied businesses
- To realize the potential of containerization and allied businesses

#### **UNIT –I BASIC CONCEPT OF CONTAINERIZATION**

Introduction to Liner Shipping industry - Unitization concept and methods - Malcolm Mclean and the birth of containerization - Generations of container ships and their specification - Container types, their specifications and cargoes carried in them.

#### **UNIT –II FREIGHTING AND SIZE OF CONTAINER**

Container shipping business - FCL and LCL sea freight products - Freight of FCL and LCL cargo - Slot utilization strategies - Estimation of optimum container fleet size - Multiport LCL consolidation

#### **UNIT – III CHARACTERISTICS AND PHYSICAL OPERATIONS**

Containerisation: Concept, Classification, Benefits and Constraints, Container terminal business- World's leading container terminals and location characteristics - container terminal infrastructure - container terminal productivity and profitability-Inland container Depots(ICD)Roles and functions - Container Freight Stations(CFS),Clearance at ICD, CONCOD,ICD's under CONCOD, Charting: Kinds of Charter, Charter Party and Arbitration.

#### **UNIT – IV CONTAINER TYPES AND BUSINESS**

Container manufacturing trends - Container leasing business - Types of container leasing and their terms - maintenance and repair of containers - tracking of container movements - Container interchange.

#### **UNIT – V MULTIMODAL TRANSPORT**

Alternate uses of containers -marketing of used containers -carriage of shipper own containers - multimodal transport options for containers -Insurance for containers -strategies for managing container imbalance.

#### **REFERENCES**

1. Marc Levinson, The Box: How the Shipping Container Made the World Smaller and the World Economy Bigger, Princeton University Press, 2008.

## Diploma, Anna University-UG, PG., HSC & SSLC

*Notes*

*Syllabus*

*Question Papers*

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[www.AllAbtEngg.com](http://www.AllAbtEngg.com)

2. Dr. K. V. Hariharan, Containerisation, Multimodal Transport & Infrastructure Development In India, Sixth Edition, Shroff Publishers and Distributors, 2015.
3. Lee, C.-Y., Meng, Q. (Eds.), Handbook of Ocean Container Transport Logistics Making Global Supply Chains Effective, Springer, 2015
4. Coyle et.al, Management Of Transportation, 7th Edition, Cengage Learning, 2011