

BA5062 PORT AND TERMINAL MANAGEMENT

DETAILED SYLLABUS

OBJECTIVES

- To enlighten the students about the major functions in the port and terminal management
- To expose the students on the trends in port and terminal management

UNIT – I INTRODUCTION TO PORT AND TERMINAL

Role of ports in international trade and transport - Economic impact of ports on the regional economy - Multiplier effect - Location characteristics of ports - Different types of ports (natural, manmade, river, estuary).

UNIT – II PORT OPERATIONS

Design features of facilities in ports for handling various cargoes - Organization structure in Ports -Delivery of port services and the relationship between various departments - Marine Department –Traffic Department – other departments.

UNIT- III PORT MARKETING AND SERVICES

Marketing of Port services - Pricing of Port services - Components of port tariff - Concept of hinterland – Identifying the needs of ship owners and operators, ship agents, forwarders, truckers, rail and barge operators - Concept of Total Logistics cost.

UNIT – IV PORT PERFORMANCE

Measurement of port performance - vessel turn round time, cargo volume, speed of cargo handling - Information flow requirements of the port, statutory bodies and port users - Port community computer systems and EDI applications.

UNIT – V PORT SECURITY AND ISSUES

Environmental issues connected with Ports & Terminals - Health and safety issues - Port security issues - International Ships and Port facility security (ISPS) code - Role of national, regional and local governments in owning / operating / managing ports.

REFERENCES

1. Maria G. Burns, Port Management and Operations, CRC Press, 2014.
2. Patrick Alderton, Port Management and Operations, Third Edition, Lloyd's Practical Shipping Guides, 2008
3. H. Ligteringen, H. Velsink, Ports and Terminals, VSSD Publishers, 2012.
4. Coyle et.al, Management Of Transportation, 7th Edition, Cengage Learning, 2011