



FREIGHT AND PASSENGER TRANSPORT OPERATIONS

Preamble

The course will provide with knowledge, understanding and skills in both freight and passenger transport management and its environment.

Aims of the subject

At the end of the course the student should be able to;

- Differentiate passenger and freight transport
- Discuss the functions of transport manager
- Assess the environment and provide quality transport service
- Describe the current challenges in various elements of passenger and freight logistics.

1.0 The transport product

1.1 The factors affecting safe arrival of passengers and safe delivery of goods

1.2 The role of transport in the economy

- Economical role
- Social role
- Political role

2.0 Transport system and its elements

- 2.1 The infrastructure ie way and the terminal
- 2.2 The vehicle ie the carrying unit and the motive power
- 2.3 The Human factor ie Operator and the Driver
- 2.4 The communication ie Signals and other means of communication
- 2.5 The traffic ie freight and passenger.

3.0 Modes of transport and service capabilities

- 3.1 The five modes of transport
 - Air,
 - Maritime,
 - Road ,
 - Railway,
 - Pipeline
- 3.2 The operational characteristics and service capabilities
- 3.3 The challenges for each mode on its employment in the integrated logistics

4.0 characteristics of traffic

- 4.1 The characteristics of people movement
- 4.2 The characteristics of freight movement
- 4.3 The examination of how characteristics of traffic affect elements of different modes of transport.
- 4.4 The concept of multi-modalism and inter-modalism

5.0 Handling of people and goods at terminal

- 5.1 The facilities and functions of passenger terminals of any mode
- 5.2 The facilities and functions of freight terminals of any mode
- 5.3 The concept of unitisation, containerisation and consolidation of freight.
- 5.3 Through ticketing and other documentation for international movement.

6.0 Transport regulation

- 6.1 The statutes for different modes must be interpreted and applied
- 6.2 The quantity licensing
- 6.3 The quality licensing
- 6.4 The price control
- 6.5 The preservation of environment

7.0 The use of information technology

- 7.1 The use of technology to monitor provision of transport
- 7.2 Information technology on transaction systems
- 7.3 Technology and preservation of the environment

EXAMINATION GRID

NUMBER	TOPIC	WEIGHT%
1	TRANSPORT PRODUCT AND ROLE	10
2	TRANSPORT SYSTEM AND ELEMENTS	20
3	MODES OF TRANSPORT	20
4	CHARACTERISTICS OF TRAFFIC	15
5	HANDLING OF PEOPLE AND GOODS AT TERMINAL	15
6	TRANSPORT REGULATION AND THE USE OF TECHNOLOGY	20

References

- 1 Gatton J Logistics and distribution Management, Bookcraft Hensher DA
- 2 Button KL Ed, @003, Handbook of transport and the environment, Elservier
- 3 Cole S @005 , Applied Transport Economics , Kogan Page
- 4 Sateyesh, Sigh , Transport Engineering, 2014, Venus Book, New Delhi

