

5 <sup>th</sup> Semester	RAU5D006	Transport Management	L-T-P 3-0-0	3 CREDITS
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**MODULE I (8 HOURS)****Introduction**

Personnel management; objectives and functions of personnel management, psychology, sociology and their relevance to organization, personality problems. Selection process: job description, employment tests, interviewing, introduction to training objectives, advantages, methods of training, training procedure, psychological tests.

**MODULE II (7 HOURS)****Transport Systems**

Introduction to various transport systems. Advantages of motor transport. Principal function of administrative, traffic, secretarial and engineering divisions. Chain of responsibility, forms of ownership by state, municipality, public body and private undertakings.

**MODULE III (8 HOURS)****Scheduling and Fare Structure**

Principal features of operating costs for transport vehicles with examples of estimating the costs. Fare structure and method of drawing up of a fare table. Various types of fare collecting methods. Basic factors of bus scheduling. Problems on bus scheduling.

**MODULE IV (9 HOURS)****Motor Vehicle Act**

Traffic signs, fitness certificate, registration requirements, permit insurance, constructional regulations, description of vehicle-tankers, tippers, delivery vans, recovery vans, power wagons and fire fighting vehicles. Spread over, running time, test for competence to drive.

**MODULE V (8 HOURS)****Fleet Maintenance and depot layout**

Preventive maintenance system in transport industry, tyre maintenance procedures. Causes for uneven tyre wear; remedies, maintenance procedure for better fuel economy, design of bus depot layout.

**Books:**

- [1] John Duke, "Fleet Management", McGraw-Hill co, USA, 1984.
- [2] Kitchin. L.D., "Bus Operation", Illiff and Sons Co., London, III edition, 1992
- [3] Government motor vehicle act, publication on latest act to be used as on date