

AE-413: Vehicle Transport Management										
L	T	P	Credit	Area		CWS	PRS	MTE	ETE	PRE
3	0/1	2/0	4	DEC		15/25	25/-	20/25	40/50	-

Objectives: To familiarize the students with concept of vehicle transport management. To familiarize him with understanding about vehicle transport management.

AE-413: Vehicle Transport Management										Contact Hours
Unit-1	INTRODUCTION : Personnel management; objectives and functions of personnel management, psychology, sociology and their relevance to organization, personality problems									8
Unit-2	. Selection process: job description, employment tests, interviewing, introduction to training objectives, advantages, methods of training, training procedure, psychological tests									6
Unit-3	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									6
Unit-4	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									8
Unit-5	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									8
Unit-6	MAINTENANCE: 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									6
	Total									42

Reference Books:

1	John Duke ,”Fleet Management”,–Publisher- McGraw-Hill Co, USA (ISBN -13: 978- 0070174108), 1984
2	Kitchin.L.D ,”Bus Operation”., Publisher - Illiffee and Sons Co., London, III edition (ISBN: B0007JG0US), 1992
3	Government Motor Vehicle Act –Publication on latest act to be used as on date

Course Outcomes

CO1	To understand basics of personnel management, psychology, sociology.
CO2	To understand methods of training, training procedure, psychological tests.
CO3	To describe public transport traffic, secretarial and engineering divisions. chain of responsibility.
CO4	To explain operating costs for transport vehicles with examples.
CO5	To implement motor vehicle act.
CO6	To apply Preventive maintenance system in transport.

CO-PO/PSOMatrix

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	0	0	0	0	0	0	2	2	1	1
CO2	3	3	2	3	1	0	0	0	0	0	0	1	2	1	1
CO3	3	3	3	3	1	0	0	0	0	0	0	2	3	3	2
CO4	3	3	3	3	1	0	0	0	0	0	0	1	3	3	2
CO5	2	2	2	2	2	0	0	0	0	0	0	1	2	2	2