

4066 - ROAD TRANSPORT AND INDUSTRIAL LAWS										
Teaching Schedule Per Week			Progressive Assessment		Examination Schedule (Marks)					
Lectures	Practical	Credits			Theory		Practical Ex.		Total	
4	1	5	25	25	3 Hrs	100	-		150	
Pre-requisite		Source	Semester	Theory	Test	Total	TW	PR	Gr Total	
Nil		AUT		75	25	100	25	-	125	

Rationale: Every Automobile engineer, Particularly those associated with the regional transport Authorities need to know about the different forms of road transport and also about the rules and regulations stipulated under Motor Vehicle Act, which governs the use of such vehicles. He should be aware of all the provisions the Motor Vehicles Act.

COURSE CONTENTS		Hrs	Mks
1. ROAD TRANSPORT		12	20
History of road transport, Functions of transport (Economic, Social, Military), Modes of urban passenger transport, Modes of rural passenger transport, Demand for transportation service, Economics of public utilities, Characteristics of different modes of transport.			
2. BUS AND GOODS TRANSPORT OPERATION		40	56
Forms of ownership. General set up of transport undertakings. Running of transport by Government and Private Organisations. Essentials of transport system, Planning a new service (geographical and economic considerations). Depot and the workshop			

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SYLLABI OF COURSES FOR DIPLOMA PROGRAMME IN AUTOMOBILE ENGINEERING, LEVEL IV & V 11

layout, Object of a good layout, Effective handling of peak load, Depot management, Developing the traffic, Vehicle schedules, Crew and duty schedules, Traffic investigations, Route planning and development. Management information systems, Central traffic control, Theory fares, Basic principles of fares charging, Flat fares, Telescopic fares, Cost of service, Value of service, Special rates, Differential rates for different type of services. Principles of driving. Safety precautions. Causes and analysis of accidents, prevention of accidents. Depreciation – different types of depreciation's (a) Straight line method (b) Reducing balance method (c) Production unit method (d) Production hour method. Propaganda, Publicity, public relations. Taxation: Types of Taxes (a) Road Tax (b) Passenger Tax. Licensing. Incentive schemes: (a) Financial Incentive (b) Semi Financial Incentive (c) Non Financial Incentive, Passenger amenities, Labour and Labour relations.

3. MOTOR VEHICLE LAWS

12 24

Motor vehicle rules, Regulations as laid down in the Motor Vehicle Act, Insurance procedures and claims, Recovery of vehicles.

Total

64 100

REFERENCE BOOKS:

1. Motor Vehicle Act. (Amended upto date).

