

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-V EXAMINATION – WINTER 2025

**Subject Code:3150209**

**Date:29-11-2025**

**Subject Name:Transport Management and Laws**

**Time:10:30 AM TO 01:00 PM**

**Total Marks:70**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		<b>MARKS</b>
<b>Q.1</b>	(a) Write a short note on driver's health and safety.	<b>03</b>
	(b) Explain bus depot organization structure.	<b>04</b>
	(c) Explain Problems on bus scheduling.	<b>07</b>
<b>Q.2</b>	(a) Explain Concept of BRTS operations.	<b>03</b>
	(b) List down the various transport system with advantage.	<b>04</b>
	(c) Explain Fare Structure and various types of fare collecting methods,	<b>07</b>
	<b>OR</b>	
	(c) Write a short note on State Government Undertakings.	<b>07</b>
<b>Q.3</b>	(a) Explain registration of vehicles.	<b>03</b>
	(b) Explain Geographical considerations for planning of New Transport Organization.	<b>04</b>
	(c) Explain economical and safe driving tips for city and highway.	<b>07</b>
	<b>OR</b>	
<b>Q.3</b>	(a) Explain Fleet Management System.	<b>03</b>
	(b) Explain Process of New Licence.	<b>04</b>
	(c) Classify modes of transport in detail. Explain merits and demerits of road transport.	<b>07</b>
<b>Q.4</b>	(a) Types of BRTS operations.	<b>03</b>
	(b) What is global positioning system? Why it is necessary.	<b>04</b>
	(c) Explain Highway Traffic rules & Traffic Signs.	<b>07</b>
	<b>OR</b>	
<b>Q.4</b>	(a) When is permit required?	<b>03</b>
	(b) Define Harmful exhaust gas constituents.	<b>04</b>
	(c) Compare the third party insurance with comprehensive insurance.	<b>07</b>
<b>Q.5</b>	(a) Explain the function of surveyor.	<b>03</b>
	(b) Explain mode of payment of tax.	<b>04</b>
	(c) Explain Euro- I/II/III/IV norms for emission standard.	<b>07</b>
	<b>OR</b>	
<b>Q.5</b>	(a) Explain safety precautions taken by driver.	<b>03</b>
	(b) Explain storage and transportation of petroleum products.	<b>04</b>
	(c) Explain pollution under control certification agency, authority and certification procedure for PUC.	<b>07</b>

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