

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER- V EXAMINATION – SUMMER 2026

Subject Code:3150209

Date:04-06-2026

Subject Name: Transport Management and Laws

Time:02:30 PM TO 05:00 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..

		MARKS
Q.1	(a) Compare the various modes of transportation.	03
	(b) How is transport important to the development of a nation?	04
	(c) Discuss the merits and demerits of private passenger transport organization	07
Q.2	(a) Explain 108 Organizational activities and its benefits for the society.	03
	(b) Differentiate between state transport and private transport.	04
	(c) Draw the layout of the bus depot and explain its functional layout.	07
	OR	
	(c) Explain the organization structure of passenger transport.	07
Q.3	(a) Which are the basic factors of a bus schedule?	03
	(b) What do you understand about the vehicle schedule? Give its types.	04
	(c) What is vehicle scheduling? Discuss the factors to be considered while making the bus schedule.	07
	OR	
Q.3	(a) Discuss the usefulness of a vehicle log book with reference to information recorded in it.	03
	(b) Explain storage and transportation of petroleum products.	04
	(c) What do you mean by transport planning? Discuss the planning activities.	07
Q.4	(a) What is the advanced technique in traffic management?	03
	(b) Write a short note on the concept of BRTS operation.	04
	(c) Explain Management Information System (MIS) in passenger/goods transport operation.	07
	OR	
Q.4	(a) Define: 1. LMV 2. HGV 3. Invalid carriage.	03
	(b) Draw traffic signs 1. One way 2. Dangerous dip 3.cross road 4. Gap in median	04
	(c) What do you mean by third party insurance? Give their advantages and disadvantages.	07
Q.5	(a) Explain Duty of driver in case of accident.	03
	(b) Give the name of cities for following codes: GJ11, GJ16, GJ18, GJ23	04
	(c) How do we prevent accidents? Discuss in detail.	07
	OR	
Q.5	(a) Define Harmful exhaust gas constituents.	03
	(b) Discuss the study of Odd-Even formula.	04
	(c) Explain Euro/Bharat stage- I,II,III,IV norms and implementation.	07
