GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–V (NEW) EXAMINATION – SUMMER 2024

Subject Code: 3150209   **Date:29-05-2024**

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)**	List out the elements to be inspected in the pre-trip and post-trip inspections of a vehicle.	**03**
	(b)	Give the advantages of a Land transport mode over the other modes of transport.	**04**
	(c)	Write the economical and safe driving tips for city and highway.	**07**
Q.2	**(a)**	Write the RTO name for following code : (1) GJ-13 (2) GJ-26 (3) GJ-15 (4) GJ-10 (5) GJ-35 (6) GJ-02	**03**
	(b)	Draw a diagram of Transport Organization Structure of RTO, Gujarat.	**04**
	(c)	Describe the various factors affecting the efficiency of State Road Transport Undertakings.	**07**
		OR	
	(c)	Write a short note on Fleet Management.	**07**
Q.3	**(a)**	Explain the importance of route planning in a public transport system.	**03**
	(b)	Explain in short. (i) Total breakdown (ii) Partial breakdown	**04**
	(c)	Write a short note on a fare structure.	**07**
		OR	
Q.3	**(a)**	Explain the basic types of public transport costs.	**03**
	(b)	Explain the storage and transportation of petroleum products.	**04**
	(c)	Discuss on the various concession schemes of a public transport system.	**07**
Q.4	**(a)**	Define: (i) Maxicab (ii) Gross Vehicle Weight (iii) Semi Trailer	**03**
	(b)	Explain Management Information System (MIS) in transport operation.	**04**
	(c)	Write a short note on BRTS.	**07**
		OR	
Q.4	**(a)**	Write the merits of GPS in a road transport.	**03**
	(b)	Explain the various types of Driving licence.	**04**
	(c)	Explain with details about the permits of a vehicle as per the motor vehicle act of India.	**07**
Q.5	**(a)**	Describe the various types of motor insurance.	**03**
	(b)	Explain Odd-Even formula.	**04**
	(c)	Explain the LMV test sequence procedure in detail.	**07**
		OR	
Q.5	**(a)**	Justify the need of PUC.	**03**
	(b)	List out the causes of road accidents.	**04**
	(c)	Discuss on the color code of RTO number plate.	**07**

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