

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER- V EXAMINATION-SUMMER 2023

Subject Code: 3150209

Date: 01/07/2023

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
<b>Q.1</b> (a) Explain highway traffic rules and traffic signs.	<b>03</b>
(b) Discuss the transport organization structure.	<b>04</b>
(c) Write down accident claim procedure and documentation.	<b>07</b>
<b>Q.2</b> (a) Define accident and its types in brief.	<b>03</b>
(b) Explain Fare structure and various types of fare collecting methods.	<b>04</b>
(c) Draw the layout of bus depot and explain its functional layout.	<b>07</b>
<b>OR</b>	
(c) Explain crew scheduling for urban transport	<b>07</b>
<b>Q.3</b> (a) Define duty of driver in case of accident.	<b>03</b>
(b) Explain Harmful effect of exhaust gas constituents.	<b>04</b>
(c) Explain the functional organizational structure of passenger transport	<b>07</b>
<b>OR</b>	
<b>Q.3</b> (a) What do you understand by vehicle schedule? Give its types.	<b>03</b>
(b) Explain penalties for school bus for violating traffic rules.	<b>04</b>
(c) Write in brief Goods Vehicle Taxation and Passenger Vehicle Taxation.	<b>07</b>
<b>Q.4</b> (a) Which type of documents is required for LMV registration?	<b>03</b>
(b) Write the RTO name for following code : (1) GJ-21 (2) GJ-02 ( 3) GJ-25 (4) GJ-33	<b>04</b>
(c) Explain Management Information System (MIS) in transport operation.	<b>07</b>
<b>OR</b>	
<b>Q.4</b> (a) Write a short note on Global positioning system.	<b>03</b>
(b) Which are the duties of surveyor in case of accidents?	<b>04</b>
(c) Explain 108 Organizational activities and its benefits for the society	<b>07</b>
<b>Q.5</b> (a) Describe BS-IV & BS-VI norms	<b>03</b>
(b) Write a short note on concept of BRTS operation.	<b>04</b>
(c) Which are Requirements and Problems on fleet management?	<b>07</b>
<b>OR</b>	
<b>Q.5</b> (a) What do you understand by vehicle schedule? Give its types.	<b>03</b>
(b) Define term : (1) solatium fund (2) hit & run case	<b>04</b>
(c) Discuss the different any seven terms used in motor vehicle act.	<b>07</b>