

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2020****Subject Code:3150209****Date:01/02/2021****Subject Name:Transport Management and Laws****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

	MARKS
Q.1 (a) Explain various modes of transport in brief.	03
(b) Discuss in detail about driver's health and safety.	04
(c) Explain Highway Traffic rules & Traffic signs.	07
Q.2 (a) Write the RTO name for following code : (1) GJ-1 (2) GJ-27 (3) GJ-26 (4) GJ-03 (5) GJ-21 (6) GJ-36	03
(b) Discuss the various factors to be considered while making crew schedule.	04
(c) Explain 108 Organizational activities and its benefits for the society.	07
Q.3 (a) Define the term : (1) unladen weight, (2) GVW (3) Articulated vehicle	03
(b) Differentiate between state transport and private transport.	04
(c) Define fleet management. Explain the benefits of fleet management for keeping records of transport maintenance.	07
Q.4 (a) Justify the need of bus scheduling.	03
(b) Explain basic factors of bus scheduling.	04
(c) Explain Fare structure and various types of Fare collecting methods.	07
Q.5 (a) Differentiate open and close type BRTS operation.	03
(b) Discuss the role of BRTS in transport industry.	04
(c) Explain management information system (MIS) in passenger/goods	07
Q.6 (a) Explain penalties for school bus for violating traffic rules.	03
(b) Define the following: (1) Certificate of registration (2) HMT (3) Axle weight (4) Maxi cab	04
(c) Explain offences, penalties & procedures of four-wheeler according to motor vehicle act.	07
Q.7 (a) Define duty of driver in case of accident.	03
(b) Explain the duty of surveyor in case of accident.	04
(c) Define the types of accidents. Discuss the causes of accident.	07
Q.8 (a) Justify the need of PUC.	03
(b) Discuss the reason to skip BS-V Norms.	04
(c) Explain pollution under control certification agency, authority and certification procedure for PUC.	07
