

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-V (NEW) EXAMINATION – WINTER 2022****Subject Code:3150209****Date:19-01-2023****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.

**MARKS**

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|------------|--|-----------|
| <b>Q.1</b> | (a) What is the penalties of not wearing seatbelt and helmet   | <b>03</b> |
|            | (b) Give the name of cities: GJ19, GJ16, GJ21, GJ06, GJ12, GJ19, GJ22                                    | <b>04</b> |
|            | (c) Explain Highway Traffic rules & Traffic signs.   | <b>07</b> |
| <b>Q.2</b> | (a) List down the various transport system with advantage.   | <b>03</b> |
|            | (b) Explain basic factors of bus scheduling.   | <b>04</b> |
|            | (c) Explain 108 Organizational activities and its benefits for the society.                              | <b>07</b> |
|            | <b>OR</b>  |           |
|            | (c) Discuss the different terms used in motor vehicle act.(Any seven)                                    | <b>07</b> |
| <b>Q.3</b> | (a) What is global positioning system?   | <b>03</b> |
|            | (b) Define Harmful exhaust gas constituents.   | <b>04</b> |
|            | (c) Explain the Bus Rapid Transport System in brief.   | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.3</b> | (a) Explain storage and transportation of petroleum products   | <b>03</b> |
|            | (b) Which is the basic factors of bus schedule?  | <b>04</b> |
|            | (c) Explain the organization structure of passenger transport.   | <b>07</b> |
| <b>Q.4</b> | (a) Explain types of Insurance   | <b>03</b> |
|            | (b) What is safety precautions taken by driver?  | <b>04</b> |
|            | (c) Explain pollution under control certification agency, authority and certification procedure for PUC. | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.4</b> | (a) Which are the things cover in accidental report?   | <b>03</b> |
|            | (b) Discuss the usefulness of a vehicle log book with reference to information recorded in it.           | <b>04</b> |
|            | (c) Explain the various constraints for private undertaking passenger transport.                         | <b>07</b> |
| <b>Q.5</b> | (a) Discuss the various ways to prevent the accidents.   | <b>03</b> |
|            | (b) Which are the duties of surveyor in case of accidents?   | <b>04</b> |
|            | (c) Explain types of Tax and passenger vehicle taxation.   | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.5</b> | (a) Discuss the study of Odd-Even formula  | <b>03</b> |
|            | (b) What is the duty of driver during hit and run case.  | <b>04</b> |
|            | (c) Explain cost of services in detail.  | <b>07</b> |

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