

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER– VII (New) EXAMINATION – WINTER 2019****Subject Code: 2170205****Date: 30/11/2019****Subject Name: Transport Management & 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.

- Q.1** (a) Explain Duty of driver in case of accident. **03**  
(b) Explain Fare structure and various types of fare collecting methods. **04**  
(c) Classify modes of transport in detail. Explain merits and demerits of road transport. **07**
- Q.2** (a) Explain highway traffic rules and traffic signs. **03**  
(b) What do you mean by third party insurance? Give their advantages and disadvantages. **04**  
(c) Which are the harmful exhaust gas constituents in exhaust smoke? How do they effect the environment and human beings? **07**
- OR**
- (c) Draw the layout of bus depot and explain its functional layout. **07**
- Q.3** (a) Explain Concept of BRTS operations. **03**  
(b) Explain the various prevention of road accident. **04**  
(c) Explain procedure for PUC certification. Which vehicles are exempted from PUC? **07**
- OR**
- Q.3** (a) Explain types of Insurance. **03**  
(b) Explain storage and transportation of petroleum products. **04**  
(c) Write down the procedure to accident claim under a motor policy. **07**
- Q.4** (a) What do you mean by transport planning? Discuss the planning activities in details. **03**  
(b) Explain basic concept of GPS receiver and its components. **04**  
(c) Explain the organization structure of passenger transport. **07**
- OR**
- Q.4** (a) Explain study of odd-even formula. **03**  
(b) Write a short note on Global positioning system. **04**  
(c) Explain EURO-I and EURO-II norms in detail **07**
- Q.5** (a) Define the following terms: **03**  
(I) HCV (II) LMV (III) Axle Weight  
(b) Explain types of Tax and passenger vehicle taxation. **04**  
(c) Give demerits of private undertaking road transport **07**
- OR**
- Q.5** (a) Explain 108 Organizational activities and its benefits for the society. **03**  
(b) Which are the duties of surveyor in case of accidents? **04**  
(c) Explain Management Information System (MIS) in passenger/goods transport operation. **07**

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