

# VTU B.E/B.TECH QUESTION PAPER SET

## CBCS SEMESTER V

# VEHICLE TRANSPORT MANAGEMENT

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# CBCS SCHEME

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15AU552

**Fifth Semester B.E. Degree Examination, Dec.2019/Jan.2020**

## Vehicle Transport Management

Time: 3 hrs.

Max. Marks: 80

**Note: Answer any FIVE full questions, choosing ONE full question from each module.**

### Module-1

- 1 Write a short note on :
- a. Trams      b. Trolley busses      c. Busses      d. Private cars. (16 Marks)

**OR**

- 2 a. Explain briefly preventive maintenance. (08 Marks)  
 b. Explain planning of Bus – stops and shelter. (08 Marks)

### Module-2

- 3 a. Write a short note on Forms of ownership. (08 Marks)  
 b. Explain the consideration for Route planning. (08 Marks)

**OR**

- 4 a. Write a short note on :  
 i) Secretarial department      ii) Engineering department. (08 Marks)  
 b. Write a short note on :  
 i) Stopping places      ii) Factor affecting frequency. (08 Marks)

### Module-3

- 5 a. Explain briefly types of fare collection system. (08 Marks)  
 b. Explain the standard layout of fare table. (08 Marks)

**OR**

- 6 Write a note on :
- a. Bell – graphic system      b. Bell punch system.  
 c. Straight and tapered scale system      d. Private hire charges. (16 Marks)

### Module-4

- 7 a. Explain various operating cost of vehicles. (08 Marks)  
 b. Explain the working of public relation department. (08 Marks)

**OR**

- 8 Write a short note on :
- a. Life of vehicles      b. Vehicle size  
 c. Forms of publicity      d. Traffic Advisory Committee. (16 Marks)

### Module-5

- 9 a. Explain how the prevention of accidents are done. (08 Marks)  
 b. Explain the methods for preparation of crew and vehicle duty roster. (08 Marks)

**OR**

- 10 Write a short note on :
- a. Location of stops      b. Duty Arrangement.  
 c. Lead acid battery busses      d. Vehicle design. (16 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

USN

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17AU552

**Fifth Semester B.E. Degree Examination, Dec.2019/Jan.2020**  
**Vehicle Transport Management**

Time: 3 hrs.

Max. Marks: 100

*Note: Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

- 1 a. Explain the historical background of transportation. (10 Marks)  
 b. What are different types of maintenance? Explain them. (10 Marks)

OR

- 2 a. State and explain 10<sup>th</sup> and 11<sup>th</sup> schedules of MV Act of 1988. (10 Marks)  
 b. What are the points which should be kept in mind while selecting depot layout. (10 Marks)

Module-2

- 3 a. Explain the different forms of ownership in Indian transport organization. (10 Marks)  
 b. What is bus scheduling? What are basic factors to be considered for bus scheduling? (10 Marks)

OR

- 4 a. Give the different types of administrative setup in transport organization in metro cities. (10 Marks)  
 b. What is route planning? Highlight the factors considered while fixing the new route. (10 Marks)

Module-3

- 5 a. Explain the different types of fare system used in Indian transport organization. (10 Marks)  
 b. Explain the stage and fare structure. (10 Marks)

OR

- 6 a. Explain the following fares in detail:  
 i) Bell punch ii) Bell graphic method. (10 Marks)  
 b. Explain briefly straight and taper scale fares. (10 Marks)

Module-4

- 7 a. Briefly explain capital cost, cost of operation and maintenance cost. (10 Marks)  
 b. What are the duties and responsibilities of PRO in transport organization? (10 Marks)

OR

- 8 a. Explain the term depreciation concern with vehicle. (10 Marks)  
 b. Write short note on public relation work. (10 Marks)

Module-5

- 9 a. What are the causes of accidents? Explain how the accidents are prevented. (10 Marks)  
 b. Explain the different types of buses and coaches with neat sketch. (10 Marks)

OR

- 10 a. Classify the accident types according to bus transport undertakings. (10 Marks)  
 b. Briefly explain hybrid vehicle and battery operated vehicle. (10 Marks)

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