

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/  
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2018

TRANSPORT MANAGEMENT

[Time : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

I Answer *all* questions in one or two sentences. Each question carries 2 marks.

1. Define the term maxi-cab.
2. What are the different types of bus operation ?
3. What is differential fare ?
4. What is meant by third party insurance ?
5. List different types of roads.

(5 × 2 = 10)

PART — B

(Maximum marks : 30)

II Answer any *five* of the following questions. Each question carries 6 marks.

1. List facilities required at depot.
2. Explain the various traffic signals.
3. Explain factors influencing fuel economy.
4. List the basic factors considered in crew scheduling.
5. Explain any four types of fare collection system.
6. Explain how to prevent peak hours traffic problem.
7. Explain the different types of gradients in road construction.

(5 × 6 = 30)

## PART — C

(Maximum marks : 60)

(Answer *one* full question from each unit. Each full question carries 15 marks.)

## UNIT — I

- III (a) Explain the duties of a conductor. 7  
 (b) Outline the important features of M. V. acts. 8

OR

- IV (a) Explain the factors considering for deciding the fleet strength. 8  
 (b) Explain the registration procedure of a vehicle. 7

## UNIT — II

- V (a) Explain the various bus operating characteristics. 7  
 (b) List and explain the factors to be considered in bus scheduling. 8

OR

- VI (a) Explain the factors to be considered in trip generation. 9  
 (b) List the advantages and limitations of co-ordination. 6

## UNIT — III

- VII (a) Explain the different types of fare. 9  
 (b) List duties and responsibilities of a supervisor in an automobile workshop. 6

OR

- VIII (a) Explain the functions of marketing. 7  
 (b) Explain the way bill related to fare collection systems. 8

## UNIT — IV

- IX (a) Sketch and name any four types of road intersection. 8  
 (b) Explain the factors involving in assessing accident damage vehicle. 7

OR

- X (a) Explain the functions of insurance company. 7  
 (b) Write a short note on : (i) Super elevation (ii) Sight distance 8