

**POST GRADUATE DIPLOMA IN URBAN
GOVERNANCE (PGDUG)**

Term-End Examination

December, 2016

**MPA-027 : URBAN TRANSPORTATION
PLANNING AND ADMINISTRATION**

Time : 2 hours

Maximum Marks : 50

Note : Attempt any five questions in about 400 words each, selecting at least two questions out of each Section. All questions carry equal marks.

SECTION - I

1. Define urban transportation planning. 10
2. Write a note on Bus Rapid Transport System. 10
3. Describe urban transport institutions in Indian cities with examples. 10
4. What are the environmental effects of air pollution ? 10
5. Discuss economic efficiency and markets in urban transportation. 10

SECTION - II

6. Write a note on Delhi Metro Rail. 10
 7. 'Rotaries enable movement of traffic by way of diverging, merging and weaving'. Explain. 10
 8. What is travel demand modelling? 10
 9. Describe GIS applications in transportation planning. 10
 10. Discuss the implementation of traffic management. 10
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