

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE

M. Plan. (Urban & Regional Planning), Winter 2017-18 Examination

Semester: 1**Date: 27/12/2017****Subject Code: 01201103****Time: 10:00am to 12:00pm****Subject Name: Infrastructure and Transport Planning****Total Marks: 50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions whenever required.
4. Draw suitable sketches whenever required.

Q.1 What is a 'Resource'? Give types of resources. Enlist and explain briefly the Resources required for Urban Infrastructure Development. **(10)**

Q.2 Write short notes on: (Any 5) **(20)**

1. Natural drainage system in India
2. Role of Transport in Development
3. Mechanism of planning and management of 'Water supply' adopted in Indian cities
4. Urban Infrastructure Services
5. Objectives of National Rural Drinking Water Programme
6. Vulnerable locations of fire hazards and methods of firefighting

Q.3 Explain Briefly: (Any 5) **(10)**

1. Sanitation crisis in India
2. Traffic Management
3. Highlights of National Water Mission
4. Enlist sources and types of solid waste
5. Capacity of an intersection
6. Define: i. DEWATS ii. Open Defecation

Q.4 Describe in Detail: (Any 3) **(10)**

1. The process of power procurement and distribution adopted in India.
2. What is meant by the term 'Sanitation'? Explain in detail the system of planning and management of 'Sanitation' adopted in Indian cities/urban areas.
3. Issues & Challenges of Urban Transport in India.