

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE & PLANNING
M. Plan. (Urban & Regional Planning) Winter 2019 Examination

Semester: 1
Subject Code: 01201103
Subject Name: Infrastructure and Transport Planning

Date: 17/12/2019
Time: 10:00am to 12:00pm
Total Marks: 50

Instructions:

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

Q:1 What is meant by the term 'Infrastructure'? Explain the Role of Infrastructure in Development (10)

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

- a. Urban Infrastructure Services
- b. Storm-water and its types
- c. Mechanism of planning and management of 'Water supply' adopted in Indian cities
- d. National Water Policy of India
- e. National Water Mission of India
- f. National Urban Sanitation Policy

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

- a. i. Sewage ii. Open Defecation
- b. i. Sewerage ii. Black Water
- c. i. Grey Water ii. Ground Water
- d. Water Distribution Losses
- e. Non-Revenue Water
- f. Rain water harvesting

Q:4 Describe in Detail: (Any 2) (10)

- a. What is meant by the term 'Sanitation'? Explain in detail the system of planning and management of 'Sanitation' adopted in Indian cities/urban areas.
- b. Issues & Challenges of Urban Transport in India.
- c. Vulnerable locations of fire hazards and methods of firefighting.