

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE

M. Plan. (Urban & Regional Planning) Winter 2018-19 Examination

Semester: 1**Subject Code: 01201103****Subject Name: Infrastructure and Transport Planning****Date: 11/12/2018****Time: 2:00 pm to 4:00 pm****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. Urban Infrastructure Services.
 2. Role of Infrastructure in development.
 3. Mechanism of planning and management of 'Water supply' adopted in Indian cities.
 4. Rain water harvesting.
 5. Ministry of Drinking water and sanitation.
 6. Natural drainage system in India.
- Q.3 Explain Briefly: (Any 5)** **(10)**
1. Define: i. Surface Water ii. Non-revenue Water
 2. Define: i. Sewage ii. Grey water
 3. Sanitation crisis in India.
 4. Enlist source and types of solid waste.
 5. Objectives of National water policy.
 6. Explain the full form: i. DEWATS ii. OD iii. NHAI iv. CDP
- Q.4 Describe in Detail: (Any 2)** **(10)**
1. What is meant by the term 'Infrastructure'? Enlist and explain briefly various elements of infrastructure.
 2. What is meant by the term 'urban transportation'? Explain in detail the system of planning and management of 'transportation' adopted in Indian cities/urban areas.
 3. What is 'highway'? Explain briefly various types of highway in India.