

Seat No: _____

Enrolment No: _____

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE & PLANNING
M. Plan. Summer 2018-19 Examination

Semester: 2

Subject Code: 01201153

Subject Name: Infrastructure Planning and Management

Date: 21/05/2019

Time: 02:00pm to 04:00pm

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 Write a short note on: (10)

- a) Basic principles, generation, characteristics, collection, disposal & management of Solid Waste.
- b) Role of Spatial Information Technology (SDI) in the planning, provision, and monitoring infrastructure.

Q.2 Elaborate on any five out of the following six: (20)

- a) Enlist and explain in brief 'Indicators' of infrastructure development in defining regional development.
- b) Standards and bench marks for infrastructure provision and delivery at various levels.
- c) Transboundary water conflicts.
- d) Irrigation in India: Minor, Major irrigation and related issues.
- e) PPP Models in Infrastructure provision
- f) Privatization of Water and its implications.

Q.3 Explain the following in brief. (Any five) (10)

- a) Hierarchy of Roads
- b) Intent of National Water Policy
- c) City Sanitation Plan
- d) BRDO
- e) DMIC and its envisaged impact on regional development.
- f) PMGSY and its impact on village connectivity.

Q.4 Explain in detail any two out the following three: (10)

- a) Write a short note on: Role of Infrastructure in Regional Development.
- b) Golden Quadrilateral and its impact on Regional development.
- c) Nuclear Energy- issues involved and probable spatial impact.