

Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**FACULTY OF ARCHITECTURE & PLANNING**  
**M.Plan., Summer 2017-18 Examination**

**Semester: 2**

**Subject Code: 01201153**

**Subject Name: Infrastructure Planning and Management**

**Date: 22/05/2018**

**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 whenever required.
4. Draw suitable sketches whenever required.

**Q.1 Write a short note on: (10)**

- a) Write a short note on: Role of Infrastructure in Regional Development.
- b) Enlist and explain in brief 'Indicators' of infrastructure development in defining regional development.

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

- a) Standards and bench marks for infrastructure provision and delivery at various levels.
- b) Role of Spatial Information Technology (SDI) in the planning, provision, and monitoring infrastructure.
- 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) Basic principles, generation, characteristics, collection, disposal & management of Solid Waste.
- b) Golden Quadrilateral and its impact on Regional development.
- c) Nuclear Energy- issues involved and probable spatial impact.