

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

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.ARCH - SEMESTER- VIII • EXAMINATION – WINTER 2016**

**Subject Code: 1085003**

**Date: 24/10/2016**

**Subject Name: Site Planning**

**Time: 10.30AM to 12.30PM**

**Total Marks: 50**

**Instructions:**

1. **Attempt all questions.**
2. **Make Suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

- Q.1 What is Site Planning? Explain in brief its importance in an Architectural project? 2
- Q.2 Enlist the factors to be considered while planning any site in an urban area? 3
- Q.3 Define any five from the following: 10
- a) Grading Plan and Grading Process
  - b) Land Use and Zoning
  - c) Base Map
  - d) Morphology
  - e) Service Systems
  - f) Gross Density and Net Density
- Q.4 Enlist and explain briefly various factors to be considered while selection of a site and its planning for each of the following types of project: 10
- a) Industrial project (Factory/Manufacturing Unit etc)
  - b) Institutional project (School/College, etc)
  - c) Tourist – Resort project (Beach resort/Hill resort, etc)
  - d) Residential project (Independent residence – Bungalow, etc)
  - e) Commercial project (Mall & Cinema, etc)
- Q.5 Why Water supply and Sanitation/Drainage system is considered important while planning any site? 5

Q.6 Why Contour survey map is important in site planning and interpretation? 5

Q.7 Explain in brief the key parameters of planning a site for institutional project in an urban area? 5

OR

Q.7 Explain in brief the key parameters of planning a site for industrial project in an urban area? 5

Q.8 Explain in brief the key considerations for planning a site for Housing in a Rural Eco-sensitive area? 5

Q.9 Explain how one can respond while planning a site: 5

- a) Catchment area
- b) Local tradition
- c) Water Resources
- d) Contours
- e) Local materials, Labour and Machinery.