

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.ARCH - SEMESTER- VIII • EXAMINATION – SUMMER 2017**

**Subject Code: 1085003****Date: 01/05/2017****Subject Name: Site Planning****Time: 10.30AM to 12.30PM****Total Marks: 50****Instructions:**

1. Attempt all questions.
2. Make suitable sketches wherever necessary.
3. Figures to the right indicate full marks.
4. Draw sketches wherever required.

- Q.1** (a) Define the following : (any five) **05**
- |                                |               |
|--------------------------------|---------------|
| 1. Gross Density & Net Density | 4. Wetland    |
| 2. Land use & Zoning           | 5. Floodplain |
| 3. Habitat                     | 6. Morphology |
- (b) Which are the factors & force, to be considered while carrying out site planning? **05**
- Q.2** (a) What is site planning? Explain its importance in a project. **05**
- (b) Explain which are the criteria/ parameters to be considered while planning for a site of Mass Housing in Urban Context. **05**
- OR**
- (b) Which are the key considerations to be carried out for planning a site of Housing in Rural & Eco Sensitive area? **05**
- Q.3** (a) Enlist & Explain the parameter whose information is required for planning any site. **06**
- (b) What can you infer from a contour survey map? **04**
- OR**
- Q.3** Explain the following terms: **10**
- |                      |                    |
|----------------------|--------------------|
| 1. Grid Iron Pattern | 4. Location Factor |
| 2. Radial Pattern    | 5. Urban Fabric    |
| 3. Contour Mapping   |                    |
- Q.4** Explain the various factors to be considered while selection of a site & site planning for each of the flowing types of projects: **10**
- a. Residential Project
  - b. Institutional Project
  - c. Industrial Project
  - d. Resort – Tourist Project
  - e. Commercial Project
- Q.5** Explain in brief the importance of the following while planning for a site: **10**
- |                                     |               |
|-------------------------------------|---------------|
| 1. Physical characteristics of site | 4. Topography |
| 2. Orientation                      | 5. Landscape  |
| 3. Climate                          |               |
- OR**
- Q.5** Explain how an individual can respond to the following, while making decisions during site planning: **10**
- |                   |                          |
|-------------------|--------------------------|
| 1. Catchment Area | 4. Geological Conditions |
| 2. Rain Intensity | 5. Local Tradition.      |
| 3. Contours       |                          |

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