

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
