

GUJARAT TECHNOLOGICAL UNIVERSITY
BPLAN - SEMESTER- I EXAMINATION – SUMMER 2015

Subject Code: 1015501**Date: 29/ 5/ 2015****Subject Name: Fundamentals of Urban and Regional Planning****Time: 02.30pm-04.30pm****Total Marks: 50****Instructions:**

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

- Q.1 (a) Multiple choice question 06**
- i) Gandhianagar is a capital city planned on a _____ pattern.**
 a) Ring-radial c) Grid-iron
 b) Linear d) Multiple-Nuclei
- ii) Evolution of towns during Ancient Civilization coincided with _____.**
 a) Paleolithic Age c) Neolithic Age
 b) Mesolithic Age d) Bronze Age
- iii) Urbanization Level represents _____.**
 a) Ratio of Urban Population to Total Population
 b) Ratio of Urban Population to Rural Population
 c) Increase in Urban Population
 d) Average Urban Population in towns of a state
- iv) As per Sector Theory, _____ gives directional effect to land uses.**
 a) Density c) Transportation Axis
 b) Land Values d) Suburbs
- v) The tributary area of a town is of which shape as per Central Place Theory?**
 a) Circle c) Hexagon
 b) Triangle d) Octagon
- vi) Which of the following is a non-compatible use for residential zone?**
 a) Primary school c) Convenience shopping
 b) Community Hall d) Industries
- (b) Fill in the blanks 04**
- i) As per Census of India, the population range of Class- 1 towns is _____ and population range of Class-2 towns is _____.**
- ii) As per general practice of preparing Land Use Plans, in Gujarat, Commercial use is represented in _____ color, and Industrial use is represented in _____ color.**
- Q.2 (a) What is the definition of 'Urban Area' as per Census of India? 05**

- (b) 'Planning is a Cyclic Process'- Explain the approach of System Planning. **05**
- OR**
- (b) Write a note explaining 'What is Urban Planning?' **05**
- Q.3** (a) Write a short note on classification of urban areas based on age and physical structure. **05**
- (b) Write a note on 'Lamp of Place'. **05**
- OR**
- Q.3** (a) Write a note on Multiple Nuclei Theory along with the diagram. **05**
- (b) Sketch the urban structure models as per Concentric Zone Theory and Sector Theory. And highlight the key difference between them. **05**
- Q.4** (a) Write in brief about 'Non-compatible uses' and 'Non-confirming uses' explaining the difference between the two. Also give appropriate examples. **05**
- (b) What is the purpose of Density Zoning? What are the controls used to regulate density? **05**
- OR**
- Q.4** (a) Discuss the importance of Development Control Regulations. What is 'FSI'? **05**
- (b) Write a short note on Perspective Plan. **05**
- Q.5** (a) Write a short note on Formal Region. Also mention types of formal regions. **05**
- (b) Define 'Range' and 'Threshold'. **05**
- OR**
- Q.5** (a) List types of urban local governments in India. Write in brief on ANY 2 types of urban local governments. **05**
- (b) Write a short note on 74th Constitutional Amendment Act. **05**
