

**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) Gandhinagar is a capital city planned on a \_\_\_\_\_ pattern.
  - a) Ring-radial
  - b) Linear
  - c) Grid-iron
  - d) Multiple-Nuclei
- ii) Evolution of towns during Ancient Civilization coincided with \_\_\_\_\_.
  - a) Paleolithic Age
  - b) Mesolithic Age
  - c) Neolithic 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
  - b) Land Values
  - c) Transportation Axis
  - d) Suburbs
- v) The tributary area of a town is of which shape as per Central Place Theory?
  - a) Circle
  - b) Triangle
  - c) Hexagon
  - d) Octagon
- vi) Which of the following is a non-compatible use for residential zone?
  - a) Primary school
  - b) Community Hall
  - c) Convenience shopping
  - 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.

**0.2 (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 74<sup>th</sup> Constitutional Amendment Act. **05**

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