Seat No.: _____ Enrolment No.: _____

# GUJARAT TECHNOLOGICAL UNIVERSITY

**BPLAN – SEMESTER III– • EXAMINATION – WINTER 2016**

**Subject Code: 1035503** **Date:21 /11/2016**

**Subject Name: Techniques of Planning - II**

**Time:10:30 AM to 12:30 PM** **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)** (1) Which plan should be prepared for indicating proposed land uses for a region or an urban area **06**

(a) Master Plan (b) Base Map
(c) Perspective Plan (d) Development Plan

(2) Full form of PCU, in reference to transport analysis

(a) Proportion car unit (b) Per car unit
(c) Peripheral count unit (d) None of the above

(3) As per urban development guidelines, what should be ideal density (persons / ha) of a large city in hilly area

(a) 75-100 (b) 100-150
(c) 60-90 (d) 125-175

(4) A library should be provided in which designed land use zone in a development plan

(a) Recreational zone (b) Public facilities
(c) Commercial (d) Social infrastructure

(5) As per urban development guidelines, industrial land use zone is denoted with which colour

(a) Red (b) Orange
(c) Blue (d) Purple

(6) ECS for a bicycle is

(a) 0.1 (b) 0.4
(c) 0.6 (d) 0.5

| | | | |
|---|---|---|---|
| | **(b)** | Define following terms: (Any Two)<br>(1) Annual Plan<br>(2) Infrastructure<br>(3) Region | **04** |
| **Q.2** | **(a)** | How should we delineate a region for development? Of all the parameters, explain any one in detail. | **05** |
| | **(b)** | What towns/cities are called special towns/cities? | **05** |
| | | **OR** | |
| | **(b)** | What are contents of these two maps<br>(i) Existing land use map<br>(ii) Figure ground map | **05** |
| **Q.3** | **(a)** | What are methods to classify planning regions? How is it practiced in India? | **05** |
| | **(b)** | Write a note with example for planning an investment region in India. | **05** |
| | | **OR** | |
| **Q.3** | **(a)** | How are planning regions classified in India? Explain with a diagram | **05** |
| | **(b)** | Write a note with example for planning of an administrative region in India | **05** |
| **Q.4** | **(a)** | Do development regulations have any implications on the urban development? If yes, explain how? | **05** |
| | **(b)** | Which departments are to be consulted for collecting data while preparing a development plan? | **05** |
| | | **OR** | |
| **Q.4** | **(a)** | How can we boost development in to a region with the help of all the planning tools? | **05** |
| | **(b)** | Explain various components like margins, building heights, ground coverage and FSI in reference of urban development? | **05** |
| **Q.5** | **(a)** | What are reasons for urbanization? | **05** |
| | **(b)** | What is urban agglomeration? Explain with an example | **05** |
| | | **OR** | |
| **Q.5** | **(a)** | Explain the principles on which New Delhi was designed. | **05** |
| | **(b)** | Explain the principles on which Chandigadh was designed | **05** |

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