



(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 100654**

Roll No.

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## B. Tech.

### (SEM. VI) THEORY EXAMINATION, 2014-15 PRINCIPLES OF TOWN PLANNING AND ARCHITECTURE

Time : 2 Hours]

[Total Marks : 50

Note: - Attempt all questions.

1. Attempt any four parts of the following:  $3.5 \times 4 = 14$ 
  - a) Define Town Planning and its uses for Civil Engineer.
  - b) Briefly describe different principles of Town Planning.
  - c) Give a brief description of Town Planning. Mention different Traffic Control Devices.
  - d) State the Density Concept in Architecture.
  - e) Discuss the concept of Garden City and its contribution in early planning efforts.
  - f) Discuss the concept of Land use Pattern in context of Indian Mohallas.

- 2 Attempt any three parts of the following:  $4 \times 3 = 12$
- What do you understand by Evolution of Architectural forms?
  - How the innovation of New Materials of construction brought changes in Architectural Planning. Explain.
  - Explain briefly the concept of Neighborhood Planning with reference to the Indian cities.
  - What types of problems are commonly encountered in Metropolis? Explain them and also suggest some remedies for it.
- 3 Attempt any three parts of the following: -  $4 \times 3 = 12$
- What is the role of Architects in design of the Buildings and as a whole a City?
  - Write a brief note on the Building Bye-Laws for residential area of a typical town planning scheme. Enumerate at least five Building Bye-Laws.
  - Explain the Impact of Development of material through Ages.
  - Write various elements of Aesthetics and explain about Texture, Contrast and Color.
4. Attempt any two parts of the following :  $(6 \times 2 = 12)$
- Illustrate in detail the Satellite Town Concept. Give the different symbols used in building industries.
  - Define built up area and floor space index. What are the main considerations in planning and designing of a school building in an urban area?
  - What are the Principles involved in Architectural design of building? Which type of material plays important role for architectural planning of Building.