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Sub Code: NCE-014

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B. TECH
(SEMESTER-VI) THEORY EXAMINATION 2017-18
PRINCIPLE OF TOWN PLANNING AND ARCHITECTURE

*Time: 3 Hours**Total Marks: 100***Note: 1.** Attempt all Sections.

SECTION A

1. Attempt all questions in brief. 2 x 10 = 20

- a) What do you mean by contrast?
- b) State the density concept in architecture
- c) Define the term 'town planning'..
- d) Mention two aspects of population survey
- e) What are the different land uses?
- f) What do you mean by garden city moment?
- g) Define town planning?
- h) Write two importances of architectural forms.
- i) Write two causes of environmental pollution
- j) Write two measures to prevent environmental pollution?

SECTION B

2. Attempt any three of the following: 10 x 3 = 30

- a) Discuss the theory of three magnets and its relevance in modern urban planning? How town planners keep a very important role for the growth of a country?
- b) Define the built up area and floor space index. How would you calculate these two? Also calculate plinth area and carpet area.
- c) Explain impact of development through Ages. write the factors influencing the architecture
- d) Explain in detail about the importance of land use pattern in development plan
- e) What are the principles involved architectural design of building.

SECTION C

3. Attempt any one part of the following: 10 x 1 = 10

- a) Write about the following.
 - I. Concept of habitat
 - II. Linear city concept

- b) Write various elements of Aesthetics and explain about texture and colour.
4. Attempt any *one* part of the following: 10 x 1 = 10
- a) Write about the building Bye- laws for residential area of a typical town planning scheme. Enumerate at least five building Bye-laws.
 - b) Write a detailed note on 'Evolution of architectural forms'.
5. Attempt any *one* part of the following: 10 x 1 = 10
- a) Which type of material plays a very important role for the architecture planning of a building? Explain their advantages.
 - b) What do you mean by Licensing of building works? Write the consideration for Ventilation.
6. Attempt any *one* part of the following: 10 x 1 = 10
- a) Explain the neighborhood planning with reference to Indian cities
 - b) What do you mean by concept of 'Garden City'? also discuss its contribution in early planning efforts.
7. Attempt any *one* part of the following: 10 x 1 = 10
- a) What types of problems are commonly encountered in Metropolis? explain them and also suggest some remedies for it..
 - b) What are the main considerations in planning and design of a residential complex in urban areas?