

B. TECH
(SEM-VI) THEORY EXAMINATION 2018-19
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 texture?
- b) Define the term 'town planning'.
- c) What are the different symbols used in building industry.
- d) Mention two aspects of population survey
- e) What are the different land uses?
- f) What are the uses of town planning for a civil engineer?
- g) State the density concept in architecture.
- h) Write two importance 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) Write a detailed note on 'Evolution of architectural forms'.
- c) Which type of material plays a very important role for the architecture planning of a building? Explain their advantages.
- d) Explain the neighborhood planning with reference to Indian cities
- 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 contrast 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) .define the built up area and floor space index. How would you calculate these two? Also calculate plinth area and carpet area.
5. **Attempt any *one* part of the following:** **10 x 1 = 10**
- a) Explain impart of development through Ages. write the factors influencing the architecture.
 - 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 in detail about the importance of land use pattern in development plan.
 - 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 hospital in an urban area?