UPTU Notes

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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.

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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 impart 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

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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?

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