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Total Number of Pages : 02

B.Tech
PCI6D003

6th Semester Regular / Back Examination 2018-19

TOWN PLANNING

BRANCH : CIVIL

Max Marks : 100

Time : 3 Hours

Q.CODE : F918

Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.

The figures in the right hand margin indicate marks.

Part- I

Q1 Only Short Answer Type Questions (Answer All-10) (2 x 10)

- Write down the different types of surveys techniques conducted in town planning?
- Who coined the concept of "Linear City" and in which year?
- What is meant by Satellite town and how do they develop?
- Which cities show the earliest evidence of urban sanitation system?
- Discuss the benefits and necessity of Town Planning?
- State "Proportion and Scale" as a principle of architectural design?
- Write down the Scope, Purpose and Time frame of Master Plan?
- How "Floor Area Ratio" is calculated?
- "Form follows Function" Justify the above statement?
- Give examples of Cities having "Grid Iron" form of city planning?

Part- II

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- Illustrate the role of zoning in Town Planning with suitable examples?
- Discuss the advantages and disadvantages of "Linear city" form?
- How do FAR affect the height of the building and why is it necessary for balanced settlement planning?
- Formulate the general byelaws and requirements for building construction as per National building code?
- Justify the role of urban design to make a city aesthetically and functionally efficient?
- With appropriate diagram explain the planning and designing Principles followed by Roman cities?
- Evaluate the factors which are responsible for the growth and expansion of town?
- Illustrate the different ordering principles of architectural design?
- With diagram, explain the various phases of Evolution of Urban spatial Structure?
- Describe the role of Landscaping in city planning?
- State the difference between "Master plan" and "Local Area Plan"?
- Briefly explain the different elements of Neighborhood Planning with suitable sketches?

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four)

- 210 210 210 210 210 210 210 210
- Q3** State the three magnets of Garden City? With appropriate sketches, explain the planning principles of Garden City with suitable examples? **(16)** 210
- Q4** Describe the elements of city planning? Suggest a suitable framework for estimating the future needs of planning? **(16)**
- Q5** Explain the history and trends of town planning in Ancient India? Discuss the planning principles and concept followed in Indus valley civilization? **(16)** 210
- Q6** Discuss the various parameters and aspects to be considered while planning a “Smart City”? Formulate suitable guidelines for your own city to make it sustainable and smart? **(16)**