

Total No. of Questions : 8]

SEAT No. :

P-481

[Total No. of Pages : 2

[6003]-589

T.E. (Civil Engineering)

ARCHITECTURE AND TOWN PLANNING

Honors: Sustainable Architecture And Landscape Design  
(2019 Pattern) (Semester - II) (301403)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) Answer Q.No.1 or Q.No.2, Q.No.3 or Q.No.4, Q.No.5 or Q.No.6, Q.No.7 or Q.No.8.
- 2) Neat diagram must be drawn wherever necessary.
- 3) Figures to the right indicates full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Explain in detail any three benefits of Eco city. [6]  
b) Elaborate in detail various phases of development of water bodies. [6]  
c) What is green building? What concepts make green building, a sustainable building? [5]

OR

- Q2)** a) Write down the advantages of green belt and enlist the various factors which influence the design of green belt. [6]  
b) Write a note “smart city”. [6]  
c) Write a note on green residential cluster. [5]

- Q3)** a) Write a note on : Environmental factors in landscaping. [6]  
b) What is behavioral science in landscape design? Explain in detail. [6]  
c) Write a note on “Landscape suitability analysis”. [5]

OR

P.T.O.

- Q4)** a) Enlist various principles of landscape planning and explain any two in detail. [6]  
b) Explain any two types of subsurface drainage systems with neat sketch. [6]  
c) Write a note on “landscape assessment”. [5]

- Q5)** a) Draw a typical cross section of green roof. Also explain the function of each component. [7]  
b) Which are the main factors affecting landscaping? Explain in detail. [6]  
c) Write a note of “Impact of landscape on environment”. [5]

OR

- Q6)** a) What are different purposes and concerns of landscape? [6]  
b) Explain in detail the process of landscape planning. [6]  
c) Mention the components of landscape architecture and explain any one. [6]

- Q7)** a) Elaborate the concept of industrialized areas as landscape and treatment to be offered. [6]  
b) In what way landscape is developed in urban area? [6]  
c) Write a note on following : [6]

Landscape treatment for water logged areas.

OR

- Q8)** a) Elaborate the means of improving landscape of existing road. [6]  
b) In what way landscape is developed in rural area? [6]  
c) Write a note on following: [6]  
i) Landscape treatment for coastal area.  
ii) Landscape treatment for desert area.

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