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D – 4025

Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, January 2018
(2013 Scheme)**

13.803 : URBAN PLANNING AND ARCHITECTURE (C)

Time : 3 Hours

Max. Marks : 100

Instructions : Answer *all* questions from Part – A and *one full* question from *each* Module of Part – B.

PART – A

(4 marks each)

1. What is the significance of Principle unity in architectural designs ?
2. Explain the significance of land use surveys.
3. What are the ill effects of urban rural migration ?
4. Explain the importance of certification of buildings based on sustainability.
5. What is meant by carbon foot print ?

**PART – B
Module – 1**

6. a) Explain the salient features of north Hindu of style architecture with examples.
- b) Explain briefly the evolution of modern architecture. 20

OR

7. a) Explain the contributions of Le-Corbusier to modern architecture with examples.
- b) Discuss the contribution of architect Laurie-Baker to Kerala architecture. With examples 20

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Module – 2

- 8. a) What is Master plan ? Explain in detail the process involved in preparing the master plan of a town. 10
- b) Discuss the various surveys to be carried out for a town planning scheme. 10

OR

- 9. a) Neighborhood planning fosters social development. Explain. 10
- b) Explain the concepts and features of Garden city. 10

Module – 3

- 10. a) Discuss the sustainable building practices in India. 10
- b) Discuss about the basic goals of sustainable development. 10

OR

- 11. Discuss about sustainable planning and sustainable new towns. 20

Module – 4

- 12. a) Discuss about energy efficiency in buildings with examples. 10
- b) Explain briefly about activities of TERI in India in the sustainability concept. 10

OR

- 13. a) What is LEED ? Explain about LEED rating system. 10
- b) Discuss about principles of Green Buildings. 10
