



Reg. No. : .....

Name : .....

**Eighth Semester B.Tech. Degree Examination, May 2018  
(2013 Scheme)  
13.803 – URBAN PLANNING AND ARCHITECTURE (C)**

Time : 3 Hours

Max. Marks : 100

**Instruction :** Answer *all* questions from Part A and *one full* question from *each* Module in Part B.

**PART – A**

1. Explain about 'unity' in an architectural composition.
2. Write a brief note on the need of efficient space design in modern architecture.
3. Explain the logic of proposing Green Belt around cities in modern urban planning concepts.
4. Write a brief note on AGENDA 21.
5. List the objectives of Sustainable Architecture. **(5×4=20 Marks)**

**PART – B**

**Module – I**

6. a) Explain briefly the contributions of Frank Lloyd Wright to modern architecture. **10**  
b) What are the characteristic features of architecture during the indo-islamic period ? **10**

**OR**

7. a) Illustrate the features of traditional temple architecture of Kerala. **10**  
b) Briefly explain the factors influencing architecture. **10**

**Module – II**

8. a) Explain the consequences of rural-urban migration and urbanisation. 10
- b) What are the various surveys conducted in urban planning ? 10

OR

9. a) Explain the content of Regional Development Plan. 10
- b) What are the measures in urban planning that would foster social development ? 10

**Module – III**

10. a) Describe the threat posed by urban growth on sustainability of water resources. 10
- b) Explain with an example the salient features of a Sustainable City. 10

OR

11. a) Explain the importance of urban transport planning in evolving a sustainable city. 10
- b) List and briefly explain three milestone initiatives taken at global level favouring and popularising the concept of sustainable development. 10

**Module – IV**

12. a) Explain two measures that would improve the thermal efficiency in buildings and how this would contribute to the energy efficiency of buildings. 10
- b) Explain the various stages of auditing a building under GRIHA system of certification. 10

OR

13. a) Explain the concept of Sustainable Construction. 10
- b) List and explain three measures for improving energy efficiency in buildings. 10
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