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H – 2819

Eighth Semester B.Tech. Degree Examination, November 2019

13.803 : URBAN PLANNING AND ARCHITECTURE (C)

(2013 Scheme)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. Explain with sketches how rhythm and balance can be used in architecture.
2. Describe how important socio-economic surveys are when it comes to urban planning.
3. Briefly explain how focus shifted to resource based planning evolved.
4. How does a LEED certification help a building in the field of sustainability?
5. How does massing and orientation help in achieving green targets?

(5 × 4 = 20 Marks)

PART – B

Answer any **one** full question from each **module**.

Module – I

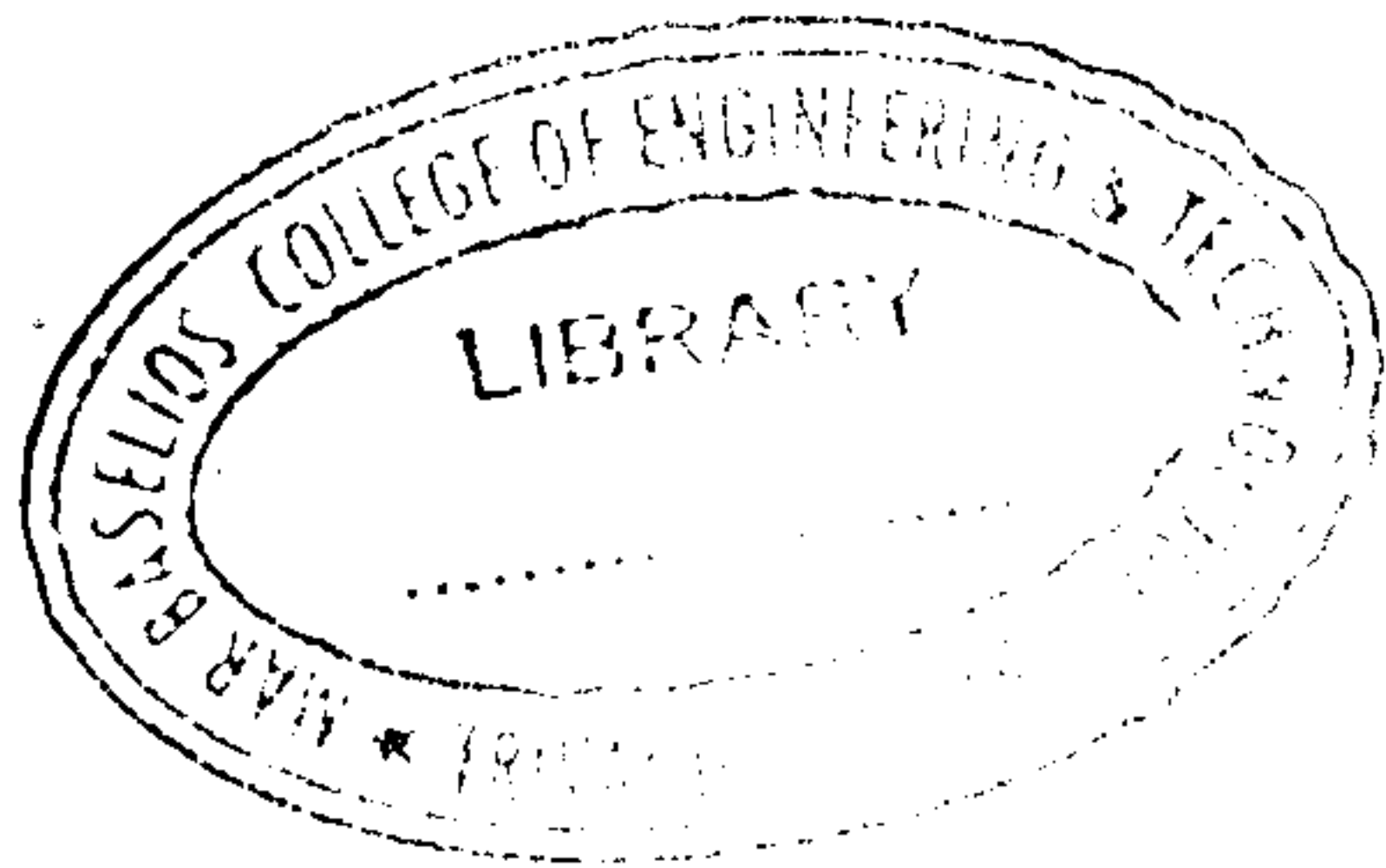
6. Establish the relevance of Frank Lloyd Wright in modern architecture taking any one of his design.

OR

7. Explain the architecture style practiced in India during Indo-Islamic period. **20**

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Module – II

8. Briefly explain the garden city concept and how it influenced the planning of town during the period.

OR

9. What are the major similarities and differences between Roman and Greek planning of cities? **20**

Module – III

10. How is socio-economic development and sustainable planning connected with each other?

OR

11. Taking the example of a new town explain the principles followed in developing it as a sustainable habitat. **20**

Module – IV

12. Mention any green rated building in India by IGBC and discuss the measures taken during the design and construction stage for getting an improved rating.

OR

13. Explain the role of software and simulation models in designing a building which is energy efficient. **20**

