

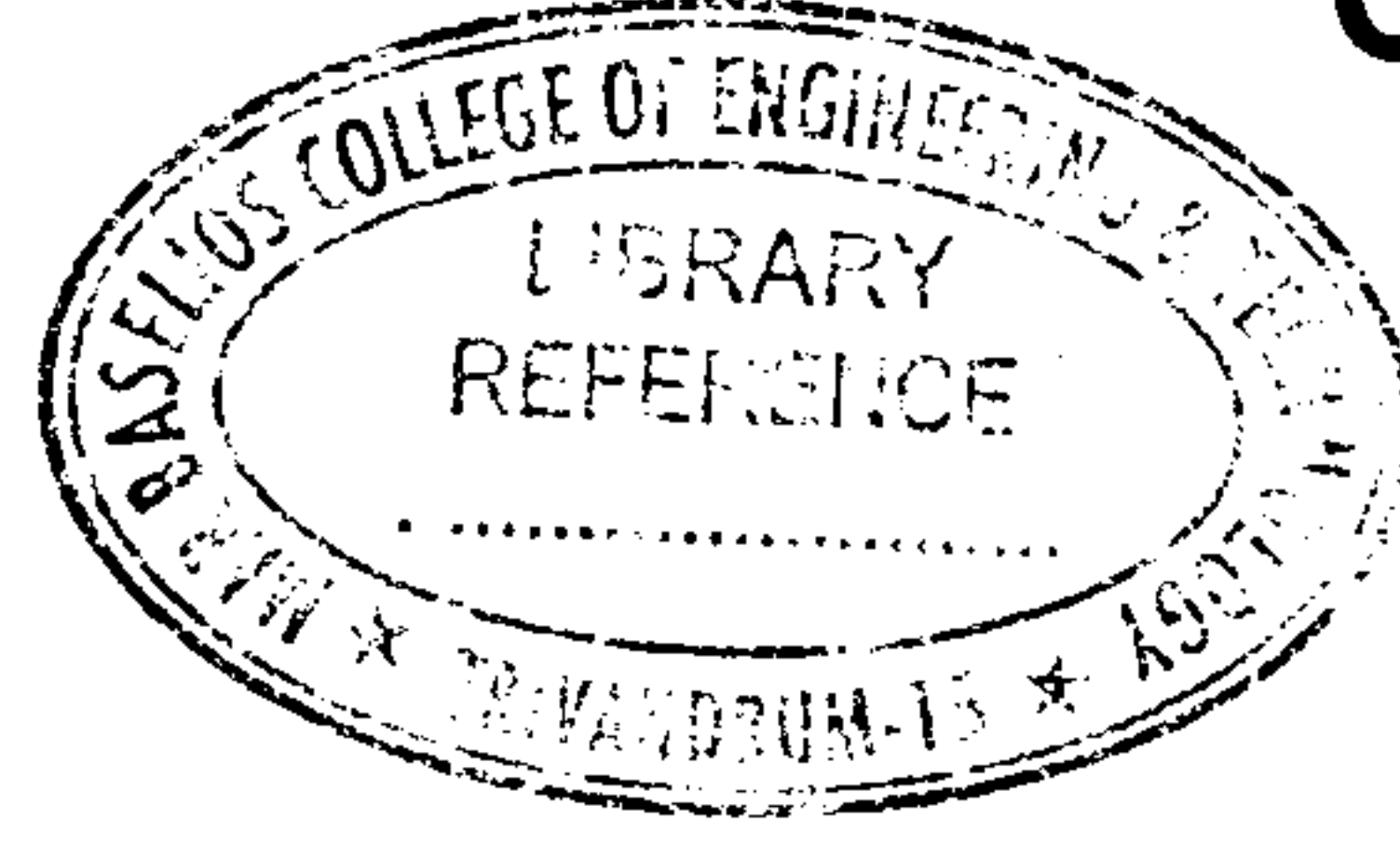


(Pages : 2)

C – 2338

Reg. No. :

Name :



**Eighth Semester B.Tech. Degree Examination, May 2017
(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. What is 'contrast' in architecture ?
2. Illustrate 'rhythm' in architecture.
3. Explain Geddesian Triad.
4. Write a brief note on Resource Based Planning.
5. List the objectives of Sustainable Construction. **(5×4=20 Marks)**

PART – B

Module – I

6. a) Illustrate the salient features of Hindu Architecture. **10**
- b) What are the contributions of Laurie Baker to Kerala architecture ? **10**

OR

7. a) What are the design principles of architecture ? Explain briefly. **10**
- b) Compare the traditional and modern architecture of Kerala. **10**

P.T.O.

**Module – II**

8. a) Describe the content of a comprehensive development plan for a city. 10
b) Write a note on zoning regulations and its benefits. 10

OR

9. a) Explain the concept of neighbourhood planning. 10
b) What is floor area ratio? How does it help as a planning and development tool? 10

Module – III

10. a) Explain the concept of sustainable development. 10
b) Explain the way in which infrastructure planning can contribute to sustainable urban development. 10

OR

11. a) List the goals of sustainable development. 10
b) Write a note on the outcome of Earth Summit held at Rio de Janeiro in 1992. 10

Module – IV

12. a) Describe two measures that could improve the energy efficiency in buildings. 10
b) Critically comment on the energy efficiency and environmental performance of traditional buildings of Kerala. 10

OR

13. a) Explain the 3R-concept in sustainable construction. 10
b) With neat illustrations explain passive solar design and express the way it would favour sustainable building design practices. 10
-