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F – 2803

Reg. No. :

Name :



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

13.803 : URBAN PLANNING AND ARCHITECTURE (C)

Time : 3 Hours

Max. Marks : 100

Instruction : *Use illustrations wherever required. Illustrations carry due marks.*

PART – A

Answer **all** questions.

1. Define Symmetry and Asymmetry in Architecture.
2. Write briefly about sloping roofs of traditional Kerala architecture.
3. Why is demography important in Urban planning ?
4. Describe the need for a socio economic survey in planning.
5. Explain what is TERI.

(5x4=20 Marks)

PART – B

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

Module – I

6. Explain why scale and proportion is an important element of design in Architecture with examples. Debate about its role in the planning and design of public buildings of your home town.

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OR

7. Discuss in detail the contribution of Laurie Baker to the affordable housing sector of Kerala. Explain any two of his projects with techniques and construction details that are cost effective.

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P.T.O.



Module – II

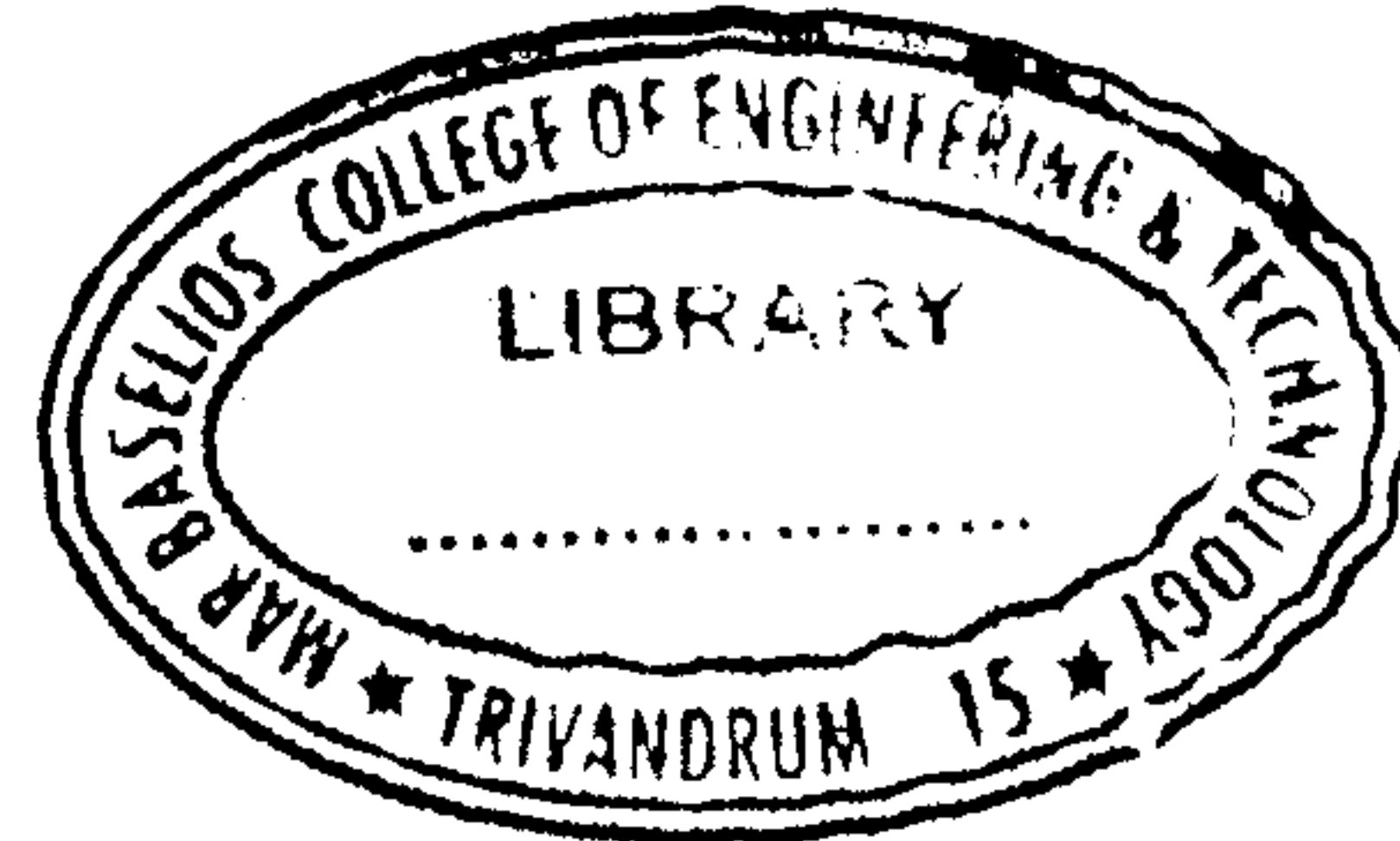
8. Discuss in detail with examples.

- a) Urban slums.
- b) Garden city concept.

OR

9. Discuss in detail with examples.

- a) Land use maps and survey methods.
- b) Site planning principles for a housing scheme in Kerala.



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Module – III

10. Debate why a civil engineer should promote sustainable habitats ? Discuss briefly what will be your concerns while planning a five star resort near to a bird sanctuary in an ecologically sensitive area.

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OR

11. Discuss in detail quoting live examples, the issue of urbanisation and slum development in India. Explain why socio economic and infrastructure planning should be done in a suitable manner in rural areas and not just urban areas.

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Module – IV

12. Describe in detail any two sustainable construction technique developed in India by CBRI or SERC.

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OR

13. Explain the need for rating systems in the sustainability assessment of buildings. Explain in detail the types and process of assessment and debate its efficiency in Indian scenario.

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