

## ***B. Tech Degree VII Semester Examination, November 2006***

### **CE 704 A/B (A) TRADITIONAL ARCHITECTURE AND VASTUVIDYA (2002 Admissions Onwards)**

Time : 3 Hours

Maximum Marks : 100

(All questions carry **EQUAL** marks)

- I. How will you define Vastu? What is the basic philosophy of Vastu Sastra? How it is translated to physical planning through the various concepts like concept of Universe, Mandala, Vastupurusha, Padams and Padavinyasam, Veethi concept of prakriti and purusha..
- OR**
- II. What are the three types of measuring system used in Vastu Sastra? How the Anthropometric system based on human dimensions affects the actual practice and how it is solved? Elaborate the modular measuring system used in the planning of temples. Give appropriate sketches.
- III. In Kerala traditional architecture, planning of the temple is very similar to planning of a Nalukettu with sketches and details. Elaborate this.
- OR**
- IV. Padams, Padavinyasam, Positioning of Devas and Veethi Nirnayam form the base for defining spaces in Nalukettu as well as in a village or a town. With neat sketches of a Nalukettu and a schematic sketch of a town elaborate how it is done in actual planning.
- V. Define the basic unit of a residential building . With sketches show how this unit is developed horizontally and vertically with extensions and with additional units.
- OR**
- VI. Differentiate between an Ettukettu and a Nalukettu with extensions around additional courtyard. What is meant by prime Nalukettu? With neat sketches show how social requirements have influenced the planning of Nalukettu.
- VII. In Manushyalayachandrika Nalukettus are classified on the basis of the roof pattern. With neat sketches give the different types of Nalukettus as detailed in Manushyalayachandrika.
- OR**
- VIII. Wood is the major material used in traditional construction. What are the various types of woods and their characteristics? How the wood is selected for construction purpose? Sketch the various joinery details used in horizontal and vertical connections in wooden elements - Column and Beam connections - Brackets, etc.

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