

**VI SEMESTER B.ARCH DEGREE EXAMINATION
(2013 Scheme)
MODEL QUESTION PAPER**

13AR1606.2 TRADITIONAL ARCHITECTURE (Elective I)

Time: 3Hours

Maximum Marks: 100

*Instruction: Use Illustrations wherever required. Illustrations carry due marks
Drawing sheets shall be supplied.*

Answer all questions.

Answer to the point.

Illustrations in answers are important.

PART A

1. Write short notes on the following.

- a. Meaning and definition of the terms *vastu*, *vastuvidya* and *vastusastra*.
- b. Available knowledge resource material in *vastuvidya*.
- c. *Sutra*, *sutravedha* and methods to eliminate *sutravedha*.
- d. *Yavamana* and *manusyapramana*.
- e. Planning and development of *ekasala*; the basic unit.
- f. Positioning gate, well and pond in a plot.
- g. Various types of settlements as described in *vastusastra*.
- h. Dimension of *Prasada* and its relation to whole.

(8X5 = 40 Marks)

Part B

Module - I

2. a. Explain the underlying philosophy of *vastusastra*. Explain the concept of *mandala* and how the same is applied planning.

OR

- b. Describe the four tier classification of *Silpi*. Write an essay on the relevance of *vastusastra* in the present context.

(15 Marks)

Module - II

3. a. Briefly explain the various tests to be carried out to check the suitability of site as described in *vastuvidya* texts. Explain the method for determining the cardinal directions by observing shadows.

OR

- b. Explain in detail about the two dimensional systems in *vastuvidya* and state how both can be integrated for practical use. Comment on proportions of rectangles nomenclature of ratios.

(15 Marks)

Module - III

4. a. Explain and illustrate five types of *catussala* plan forms followed in Kerala. Describe the functions of various parts of the *catussala*.

OR

- b. Describe the vertical composition and elements of residential buildings designed as per *vastusashtra*. List out materials recommended for construction.

(15 Marks)

Module - IV

5. a. Explain and illustrate five types of settlements. Describe how the pattern for its formation and growth can be understood.

OR

- b. Comment on *pancaprakara* plan forms for temples. Illustrate the vertical composition of *prasada* as seen in Kerala temples.

(15 Marks)
