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.
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.

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 vastusastra. List out materials recommended for construction.

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.