

- IV Explain the Influence of climate and materials in the development of Kerala architecture. (15)

UNIT- II

- V (a) Write about 'Vithis' in a plot with help of a diagram. (8)
(b) Define and illustrate 'Marmas', 'rajjus' and 'sutras' in a 'mandala'. (7)

OR

- VI Explain 'sun observation/sanku sthapanam' method to determine cardinal direction. (15)

UNIT- III

- VII Define and give the formulae for all the six aspects of 'ayadi-shadvargam' based on perimeter. (15)

OR

- VIII Explain the positioning of buildings in sites according to the concept of 'Khandam'. (15)

UNIT – IV

- IX Explain the planning principles of 'Ekasalas' with sketches. (15)

OR

- X Draw the 6 types of 'dwisalas' and identify their qualities with respect to directions. (15)

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Reg.No.
Signature.

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE, APRIL 2018.

TRADITIONAL ARCHITECTURE

(Maximum Marks : 100)

Time : 3 Hrs

PART-A
(Maximum marks: 10)

Marks

- I. Answer all questions in one or two sentences. Each question carries 2 marks.
1. Differentiate between 'harmya' and 'devalaya' vastu.
 2. Define 'marma' in plot division.
 3. Write about 'uthara-paryantham'.
 4. Explain the proportion of 'gunamsa' system.
 5. List out the two types detached 'dwisalas' with respect to direction. [5X2=10]

PART - B
(Maximum Marks : 30)

- II Answer any five of the following questions . Each question carries 6 marks.
1. Write about the mixed mode of construction in Kerala architecture.
 2. Identify the categorization of 'silpins' and their respective responsibilities.
 3. Classify sites according to geographical qualities.
 4. Differentiate between proportional and absolute dimensioning systems.
 5. Illustrate different types of plots according to shape.
 6. Explain the types 'chatussalas' with sketches.
 7. Point out the optimal positions of different rooms in a typical 'chatussala' model residence. [5x6 =30]

PART - C
(Maximum marks : 60)

(Answer one full question from each unit. Each full question carries 15 marks)

UNIT I

- III Explain the development of Indian architecture. [15]

OR