

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2019

TRADITIONAL ARCHITECTURE

[Time : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

I Answer *all* questions in one or two sentences. Each question carries 2 marks.

1. Differentiate between 'Yana' and 'Sayana' vastu.
2. Identify qualities of 'Poorna' category of site.
3. Classify plots according to size.
4. Define 'Thekkini-sala' and give its yoni number.
5. Explain the proportion of 'Gunamsa' system.

(5×2 = 10)

PART — B

(Maximum marks : 30)

II Answer any *five* of the following questions. Each question carries 6 marks.

1. Write about the classification of vastu.
2. Identify the categorization of 'silpins' and their respective responsibilities.
3. Identify the basic unit concept in 'yavamana' and 'angulamana'.
4. Explain the method of finding cardinal direction using 'pole star observation'.
5. Brief about 'aayam - vyayam' and its ideal condition salas.
6. Write about the qualities of an ideal site.
7. Point out the optimal positions of different rooms in a typical 'chatussala' model residence.

(5×6 = 30)

PART — C

(Maximum marks : 60)

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

UNIT — I

III Explain any 3 major philosophies of vastu shastra. 15

OR

IV (a) Explain the development of Kerala architecture with influencing factors. 8

(b) Brief about the various phases in the development of Indian architecture. 7

UNIT — II

V Differentiate between proportional and absolute dimensioning systems in detail. 15

OR

VI Explain the system of 4 and 9 'Vithis' in site analysis. 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 method of positioning of building in 'kshetrakhandam' with respect to 'Padam'. 15

UNIT — IV

IX Explain the design of combinations of 'salas' as the optimal solution for a residence. Point out the social significance. 15

OR

X Explain the planning principles of 'Nalukettu' - the combination of 4 'salas/chatussala' with sketches. 15