

2013

Theory of Architecture-I

Paper : 5.8

Full Marks : 100

Time – 3(Three hours)

The figures in the margin indicate full marks for the questions

PART-A

Write short notes on (any two with sketches) 5+5=10

- a) The Golden Ratio
- b) Le Corbusier's Modular
- c) Theory of Proportion
- d) Ken

Fill in the Blanks (any five) 5×2=10

- a) The two styles of measurement by the ken method are _____ & _____
- b) _____ is a type of radial organization
- c) The ratio of _____ is called golden ratio.
- d) The science of Man and Machine interface is called _____
- e) Sal is a type of _____ wood
- f) The ratio of M15 concrete is _____
- g) Hardness and softness of steel is determined by the presence of _____

Discuss the various design principles and visual design elements in Architecture. Explain Anskier with illustrative sketches. 10+10

Or,

Discuss the various spatial organizations. Support your answer with illustrative sketches. Discuss any one Indian city which is based on any one of the above organizations. 15+5

P.T.O.

- (2)
4. Describe the classical orders of columns and classical style of proportions with sketches. 10+10
- Or,
- Describe Anthropometry and Ergonomics with illustrative examples and sketches. 10+10
- Or,
- Explain the evolution & development of ornamentation in Hindu Architecture? Draw sketch of sun Temple, Konark or Lingaraja Temple 20

PART-B

1. Write short notes on- 5×4=20
- a) Cement
 - b) Bricks
 - c) Timber
 - d) Glass
- 2.a) Explain the types of uses of Iron & Steel. 15
- b) Explain uses of Aluminum. Why is the use of Aluminium so widespread throughout the world?
3. What are different types of stones commonly used in buildings? Specify their use. 5

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