

Total number of printed pages-4

43 (5) THAR-I 5·8

2016

**THEORY OF ARCHITECTURE**

Paper : ARC-5·8

Full Marks : 100

Time : Three hours

***The figures in the margin indicate full marks for the questions.***

1. Fill in the blanks : 1½×10=15
- (a) The ratio of \_\_\_\_\_ is called golden ratio.
- (b) Sal is a tytype of \_\_\_\_\_ wood.
- (c) \_\_\_\_\_ is a type of radial organisation.
- (d) \_\_\_\_\_ is a Japanese unit of measurement.
- (e) Golden ratio is \_\_\_\_\_.

Contd.

- (f) Modern Architecture was against \_\_\_\_\_.
- (g) Full form of TMT is \_\_\_\_\_.
- (h) Mix of M15 concrete is \_\_\_\_\_.
- (i) Condition of approach and entry must be specified in a \_\_\_\_\_ organisation.
- (j) Ducks and decorated sheds were terms invented by \_\_\_\_\_.

2. Write short notes : **(any five)**      5×5=25

- (a) The Golden ratio.
- (b) Le Corbusier's Modular.
- (c) Principles of Architecture.
- (d) Ornamentation in Architecture.
- (e) Proportion and scale in relation to structural materials.
- (f) Theory of Porportion.
- (g) Types of stones used in buildings and their uses.

3. Describe the classical orders of columns and classical style of proportion with sketches.      10
4. Explain the evolution and development of ornamentation in Hindu Architechture.      10

**Or**

5. What is the significance of proportion in a visual composition ?      10
6. Draw sketches to illustrate and explain assymmetrical and symmetrical balance in the design of buildings.      20

**Or**

7. Discuss the various special organisations with relevant sketches. Give example of *any one* Indian city which is based on any of the above organisations.      20

8. Critically analyse the style of *any two* of the following architects. Support your answer with sketches. 10+10=20

(a) Christopher Charlee Benninger.

(b) B.V. Doshi

(c) Achyut Kanvinde.

(d) Geoffrey Bawa.

(e) Dulal Mukherjee.

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