

## B.Arch. (Sem.-1) (N.S. 2015K) Examination

AR 102

Building Construction-1

Time : 3-00 Hours]

March 2019

[Max. Marks : 100

Instructions:

- (1) All Questions are compulsory.
- (2) Use neat sketches or calculations to illustrate your answer, if necessary.
- (3) Figures on right indicate the full marks.

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- Q-1 Explain with Proportional Sketches 15
- Sub Structure
  - Or
  - Any five building element from foundation to Roof.
- Q-2 How are Rocks physically and chemically classified? 05
- Q-3 what are knots? How are they classified? 05
- Q-4 what are the qualities of a good building stone? Discuss them. 05
- Q-5 what are the constituents of good brick earth? 05
- Q-6 Draw proportional sketches (any twelve) 20
- |                      |                   |
|----------------------|-------------------|
| 1) king closer       | 7) header         |
| 2) bevelled closer   | 8) parapet        |
| 3) bevelled bat      | 9) Boasted finish |
| 4) three quarter bat | 10) Ring gall     |
| 5) squint            | 11) wind cracks   |
| 6) plinth header     | 12) Heat Shakes   |
- Q-7 writes short notes on: (any five) 25
- a) Trees for life
  - b) Kiln seasoning
  - c) Impreg timbers
  - d) Mud construction
  - e) Advantages of artificial stone
  - f) Qualities of good bricks
- Q-8 differentiate between (any four) 20
1. Stone and brick as a construction material
  2. Soft wood and hard wood
  3. Substructure and super structure
  4. Header bond and stretcher bond
  5. Cup shakes and star shakes
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## B.Arch. (Sem.-1) (N.S. 2015K) Examination

AR 104

Humanities

March 2019

Time : 2-00 Hours]

[Max. Marks : 50

**Instructions:**

1. Figures on right indicate full marks
2. Draw neat sketches wherever required

**1. Explain in brief (Any TEN)****(20)**

- 1) Art
- 2) Tradition
- 3) Social Group
- 4) Culture
- 5) Social Norms
- 6) Role and Status
- 7) Era
- 8) Social Values
- 9) Age
- 10) Society
- 11) Institute
- 12) Social Structure

**2. Explain in detail with the help of sketches (Any Six)****(30)**

- 1) Explain the changing function of a family and highlight its social significance?
- 2) Define social organization and distinguish between formal and informal organizations.
- 3) 'A House form is a true reflection of the culture of occupants'. Critically examine the statement and explain your view point in the matter.
- 4) Explain in detail concept of culture and its components with example.
- 5) Describe in detail, How religion, culture, tradition and rituals shaped in society.
- 6) How people use natural materials for making their houses, utility objects for their survival? Explain in detail with example.
- 7) What is civilization? How do we differentiate one from another? Discuss with example.
- 8) What is culture? Describe Hinduism in terms of its philosophy, social structure and key rituals.
- 9) How do various art forms express local culture? Discuss any one in detail.
- 10) Explain the meaning of culture and discuss its important characteristics with example.

