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**3rd Sem. / Civil / GE / Brick Tech /  
Const Mgmt. / H. Engg  
Subject : Building Construction**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note:** Very Short Answer type questions. Attempt any  
15 parts. (15x2=30)

- Q.1
- a) Define Breast wall.
  - b) Draw sketch of plinth protection.
  - c) Define jambs.
  - d) What is the meaning of course?
  - e) Where 'Through Stone' is provided?
  - f) Define Butress.
  - g) Draw sketch of Haunch.
  - h) Draw sketch of Spandril.

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- i) What is the need of Door closure.
- j) What is Chaukhat?
- k) How dampness is avoided?
- l) Explain topping.
- m) Draw the sketch of rafter.
- n) What are winders.
- o) Draw neat sketch of Nosing.
- p) Explain hacking.
- q) What is the role of orientation of building?
- r) What is the meaning of false ceiling?

**SECTION-B**

**Note:** Short answer type questions. Attempt any ten  
parts 10x4=40

- Q.2
- i) How ducting for air conditioning is provided in a building?

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- ii) Give brief idea of interior decoration.
- iii) Explain the concept of vastu shastra.
- iv) Explain antitermite measures for an existing building.
- v) How will select an appropriate paint for interior and exterior surfaces?
- vi) Explain spiral stairs with the help of sketch.
- vii) What is gypsum plaster board? Give its uses.
- viii) How damp proofing of basement is done?
- ix) Name different types of doors based on materials. Give their suitability.
- x) Explain Lintel with sunshade.
- xi) Differentiate between semicircular and segmental arches.
- xii) What special care is required for filling and raking of joints in stone masonry?
- xiii) Explain earthquake resistance measures in stone masonry.

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- xiv) How dewatering of trenches is carried out?
- xv) Explain the construction details of tubular scaffolding.

### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Describe the construction details and uses of wooden partition walls.
- Q.4 Explain the methods of bonding new brick work with old.
- Q.5 Describe the various sources of dampness.
- Q.6 Discuss the factors to be considered for the selection of site for public buildings.
- Q.7 What are the different types of floor finishes? Explain glazed tiles flooring with a sketch.

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