

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Winter Examination-2019

**Subject Name : Building Construction**

**Subject Code : 4TE03BCN1**

**Branch: B.Tech (Civil)**

**Semester: 3**

**Date :15/11/2019**

**Time : 02:30 To 05:30**

**Marks : 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
- 

**Q-1 Attempt the following questions:**

**(14)**

- a) List the types of Building.
- b) What is meant by dampness in building?
- c) Mention the features of foundation.
- d) Define riser.
- e) What is the purpose of constructing a combined footing?
- f) Define pointing.
- g) What are the requirements for constructing a Mat foundation?
- h) List the types of plaster finishes.
- i) What precautions to be taken during cavity wall construction?
- j) Mention the various classes of bricks.
- k) Define partition wall.
- l) Write Connection details of Steel members.
- m) Define purlin.
- n) Mention the special features of anti-termite treatment.

**Attempt any four questions from Q-2 to Q-8**

**Q-2 Attempt all questions**

- (a) Explain the special types of foundations used for black cotton soil. **(07)**
- (b) Describe the various types of pile foundation with neat sketches. **(07)**



- Q-3            Attempt all questions**
- (a) Describe the method of damp proofing in building for the following. (07)  
(i) Treatment to Foundation.    (ii) Treatment to basement.
- (b) Enumerate the various types of flooring and explain any five types of flooring. (07)
- Q-4            Attempt all questions**
- (a) Explain the various classifications of Stairs with a neat sketch. (07)
- (b) Describe the different bonds in brick work with neat sketches. (07)
- Q-5            Attempt all questions**
- (a) Explain the various classification of rubble stone masonry with neat sketches. (06)
- (b) Write short notes on Asbestos cement sheet with neat sketches. (04)
- (c) Enumerate the various types of loads acting on structure. (04)
- Q-6            Attempt all questions**
- (a) Explain the various types of single roofs with neat sketch. (06)
- (b) Describe the functions and location of doors and windows. (04)
- (c) Write short notes on water proofing of the building. (04)
- Q-7            Attempt all questions**
- (a) Explain the various classifications of doors in detail. (06)
- (b) Mention the characteristics and constituents of an ideal paint. (04)
- (c) Write short notes on building maintenance. (04)
- Q-8            Attempt all questions**
- (a) Explain the classification and types of paints. (06)
- (b) Discuss the various defects in plastering. (04)
- (c) Write short notes on distempering. (04)

