

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Building Construction

Subject Code : 4TE03BCN1

Semester : 3

Date : 13/03/2019

Branch: B.Tech (Civil)

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.
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Q-1 Attempt the following questions:

(14)

- a) Mention the different types of loads acting in a building.
- b) What is a foundation?
- c) Enlist the effects of dampness in building.
- d) Draw a neat sketch of Queen closer.
- e) List the various classes of bricks.
- f) Give the advantages of cavity wall.
- g) What are the requirements of a good stair?
- h) Define roof.
- i) List the types of flat terraced roofing.
- j) What is meant by plastering in construction?
- k) Enlist the types of plaster finishes.
- l) Give the various constituents of paints.
- m) Define Pointing.
- n) Enlist the types of deep foundation.

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

Q-2 Attempt all questions

- (a) Explain the types of shallow foundation with neat sketches. **(08)**
- (b) Write short notes on foundation for Black Cotton soil with its type. **(06)**



- Q-3 Attempt all questions**
- (a) Explain the various classification of stone masonry with neat sketches. **(08)**
- (b) Enumerate the various bonds in brick work with neat sketches. **(06)**
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- Q-4 Attempt all questions**
- (a) Enumerate the various types of flooring and explain any three types of flooring. **(08)**
- (b) Describe the various classifications of Arches with a neat sketch. **(06)**
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- Q-5 Attempt all questions**
- (a) Discuss the various types of windows and explain any four in detail with neat sketch. **(08)**
- (b) Explain the various classifications of Stairs with a neat sketch. **(06)**
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- Q-6 Attempt all questions**
- (a) Enumerate the various classifications of doors in detail. **(06)**
- (b) Explain the various types of single roofs with neat sketch. **(04)**
- (c) Write short notes on Light weight roofing. **(04)**
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- Q-7 Attempt all questions**
- (a) Enumerate the various methods of plastering in detail. **(06)**
- (b) Explain the various methods of pointing with neat sketches. **(04)**
- (c) Write short notes on distempering in detail. **(04)**
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- Q-8 Attempt all questions**
- (a) Explain the classification and types of paints. **(06)**
- (b) Discuss in detail about the various defects in painting. **(04)**
- (c) Write short notes on white washing and colour washing. **(04)**

