

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2020

Subject Name : Building Construction

Subject Code : 4TE03BCN1

Branch: B.Tech (Civil)

Semester: 3

Date: 27/02/2020

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) What is the purpose of roof covering materials?
- b) List the features of location of doors.
- c) What is meant by a pitched roof?
- d) Enlist the various constituents of paint.
- e) List the functions of a window.
- f) Mention the characteristics of an ideal paint.
- g) Draw mitred closer in bricks with a neat sketch.
- h) Give the purpose of lintels in building.
- i) Define Quion.
- j) Enlist the types of buildings.
- k) Define tread in staircase.
- l) What is the purpose of providing landing in staircase?
- m) Define king closer.
- n) What is a foundation?

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

Q-2 Attempt all questions

- (a) Explain the various methods of pointing with neat sketches. **(07)**
- (b) Discuss in detail about the various defects in painting. **(07)**



- Q-3 Attempt all questions**
- (a) Explain the various classifications of doors in detail. (07)
- (b) Write short notes on Light weight roofing with its advantages. (07)
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- Q-4 Attempt all questions**
- (a) Explain the various classification of rubble masonry with neat sketches. (07)
- (b) Write short notes on cavity walls with its advantages. (07)
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- Q-5 Attempt all questions**
- (a) Describe the various classifications of Stairs with a neat sketch. (07)
- (b) Explain the various classifications of Arches with a neat sketch. (07)
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- Q-6 Attempt all questions**
- (a) Explain the types of shallow foundation with neat sketches. (07)
- (b) Write short notes on foundation for Black Cotton soil with a neat sketch. (07)
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- Q-7 Attempt all questions**
- (a) Describe the various methods of Damp proofing adopted for a building. (07)
- (b) Explain the English bond, Dutch bond, Flemish bonds in brick work with neat sketches. (07)
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- Q-8 Attempt all questions**
- (a) Explain in detail about the various types of mortar used for plastering. (07)
- (b) Write short notes on distempering in detail. (07)

