

Enrollment No:- _____

Exam Seat No:- _____

C.U.SHAH UNIVERSITY

Summer-2015

Subject Code: 4TE03BCN1

Subject Name: Building Construction

Course Name: B.TECH(Civil)

Date :5/5/2015

Semester: 3

Marks: 70

Time: 2:30 To 5:30

Instructions:

- 1) Attempt all Questions of both sections in same answer book/Supplementary.
 - 2) Use of Programmable calculator & any other electronic instrument prohibited.
 - 3) Instructions written on main answer book are strictly to be obeyed.
 - 4) Draw neat diagrams & figures (if necessary) at right places.
 - 5) Assume suitable & perfect data if needed.
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| Q-1 | Attempt the following. | |
| | (a) Defined foundation. What are the different functions of foundation? | 04 |
| | (b) What is underpinning? | 04 |
| | (c) Draw the figure of building components. | 04 |
| | (d) Give a list of various types of floors. | 02 |
| Q-2 | (a) Give a point wise comparison of brick and stone masonry. | 07 |
| | (b) Describe the different types of buildings components in detail. | 07 |
| Q-3 | (a) Write a note on various defects in brick work. | 04 |
| | (b) Explain Fire proofing of the building. | 05 |
| | (c) Explain building maintenance in details. | 05 |
| Q-4 | (a) Define the following terms.1.Header.2.Stretch.3.Header course.4.Bond. | 07 |
| | (b) Describe the different types of buildings components in detail. | 07 |
| Q-5 | (a) Explains with the help of sketch the method of constructing brick flooring. | 04 |
| | (b) Define partition wall. Explain various requirements to be fulfilled by a partition wall. | 05 |
| | (c) Classify various types of stone masonry. Draw typical sketches to illustrate the same. | 05 |
| Q-6 | (a) Draw a sketch of an arch and show on it various technical terms used in its construction. | 07 |
| | (b) Classify various types of lintel and discuss their relative use. | 07 |
| Q-7 | (a) Write a note on precast concrete floor. | 04 |
| | (b) Explain in brief the essential requirements of a floor. | 05 |
| | (c) Explain object and requirement of good plaster. | 05 |
| Q-8 | (a) Write a note on precast concrete floor. | 07 |
| | (b) Write short note on escalator with sketch. | 07 |
