	Enrollmo	ent No: Exam Seat No:	
		C.U. SHAH UNIVERSITY	
		Summer Examination-2018	
	-	Name: Building Construction Code: 4TE03BCN1 Branch: B.Tech (Civil) c: 3 Date: 22/03/2018 Time: 02:30 To 05:30 Marks:	70
	(2) I (3) I	ons: Use of Programmable calculator & any other electronic instrument is prohibited. Instructions written on main answer book are strictly to be obeyed. Oraw neat diagrams and figures (if necessary) at right places. Assume suitable data if needed.	
Q-1	a) b) c) d) e) f) g) h) i) k)	Attempt the following questions:  Name the type of bond in which every course contains both header and stretchers. Distemper is used to coat	(14) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Atte	mpt any f	Cour questions from Q-2 to Q-8	
Q-2	(a)	Attempt all questions What is meant by "Shallow foundation"? What are the various types of shallow foundation? Draw the sketches of it.	(14) 7 5
	<b>(b)</b>	Give comparison between stone masonry and brick masonry.	3

## Atte

**(b)** 

Q-2	(a) (b)	Attempt all questions What is meant by "Shallow foundation"? What are the various types of shallow foundation? Draw the sketches of it. Give comparison between stone masonry and brick masonry.	(14) 7
	(c)	Write the classification of Arches According to materials.	2
Q-3	(a)	Attempt all questions Write essential requirements of a floor. Explain cement concrete flooring with advantages and disadvantages of it.	(14) 7



What is a pitched roof? What are types of it? What are roof covering for it? Sketch

7

king post truss with labels.

Q-4		Attempt all questions	(14)
	(a)	Enumerate different types of staircase and explain dog-legged stair case.	5
	<b>(b)</b>	What is plastering? What are the purpose of plastering? What are the requirements of an ideal plaster?	7
	<b>(c)</b>	Enlist the different types of pointing.	2
Q-5		Attempt all questions	(14
	(a)	Enumerate various building materials with their fire resisting properties.	7
	<b>(b)</b>	Draw a neat sketch of an arch and show on it various technical terms used in its construction.	7
<b>Q-6</b>		Attempt all questions	(14)
	(a)	What are the essential requirements of floor?	2
	<b>(b)</b>	Write short notes on Door: Purpose, Size, Location, Materials.	5
	(c)	Write a short note on System and Construction features of RCC frames,	7
Q-7		Attempt all questions	(14)
	(a)	Draw a sketch showing various components of building and explain each of them.	7
	<b>(b)</b>	What are the causes of failure of foundation? What remedial measures would you adopt?	7
Q-8		Attempt all questions	(14)
	(a)	What is scaffolding? Give the types of scaffolding and explain double scaffolding with sketch.	7
	<b>(b)</b>	Enumerate different types of building with example of each.	7

