Seat No.:	Enrolment No.

Subject Code: 140602

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV EXAMINATION - WINTER 2015

Date: 22/12/2015

Ti	me: (tructio 1 2	. Attempt all questions.	
Q.1	(a) (b)	Explain the various types of boring methods with help of neat sketches Discuss with the help of neat sketch various building components with their respective functions?	07 07
Q.2	(a) (b)	Explain with help of neat sketch classification of shallow foundation? Discuss components of stone masonry? List various lifting appliances for stone work and explain any two in detail?	07 07
	(b)	OR Define the following terms with neat sketches (i)Frog (ii) King & Queen Closer (iii)Bat (iv)Stretcher	07
Q.3		What are hollow concrete blocks? Enumerate the various advantages of using hollow concrete blocks for construction. Discuss the purpose of Cavity Walls? Give general principles of its construction.	07 07
	(b)	Discuss the purpose of Cavity wans? Give general principles of its construction.	U/
Q.3	(a) (b)	OR Explain in detail with neat sketches various types of stone arches? Discuss various types of concretes used in infrastructure projects?	07 07
Q.4	(a) (b)	Enumerate the functions of a door? Explain different types of doors with help of neat sketches. Discuss various components parts of a window with a neat sketch? Give various factors affecting the selection of window?	07 07
Q.4	(a) (b)	OR Give various types of stairs commonly used in construction? Explain any one in detail with a neat sketch? Discuss various factors affecting the selection of flooring material? Give your recommendation for flooring to be provided for a hospital building.	07 07
Q.5	(a) (b)	Give requirement of a good roof? Define the following terms with respect to roof (i) truss (ii) Span (iii) Rise (iv) Ridge beam Discuss the necessity of plaster and list the various types of plasters discussing any one in detail?	07 07
Q.5	(a) (b)	OR Discuss with neat sketch double scaffolding? Explain the types of special treatments required for a building giving the necessity of each and its condition of application?	07 07
