Seat No.:		Enrolment No.	Enrolment No	
DI	PLOM	GUJARAT TECHNOLOGICAL UNIVERSITY 1A ENGINEERING - SEMESTER- III • EXAMINATION – SUMMER	• 2014	
Subject Code: 3335002 Subject Name: Building Construction			Date: 11-06-2014	
Ti	•	0:30 am - 01:00 pm Total Marks: 7	70	
IIIS	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Define the following: (1) Gable roof (2) Ridge (3)line of nosing (4)Baluster (5)Winder (6)valley (7) Going	07	
	(b)	State the types of foundation. State its objectives.	07	
Q.2	(a) (b)	Draw plan and section of grillage foundation. Compare brick masonry with stone masonry. OR	07 07	
	(b)	State and explain various types of junctions in brick masonry.	07	
Q.3	(a) (b)	Write the requirement of well designed stair. Explain and sketch Open newel Stair and Circular stair. OR	07 07	
Q.3	(a) (b)	State different types of window and explane lourered window with sketch. State the function of lintel. Explain R.C.C. lintel with a neat sketch.	07 07	
Q.4	(a) (b)	Write short note with sketch on King post truss. Explain with neat sketch, Lean to roof and Coupled roof. OR	07 07	
Q. 4	(a) (b)	Enlist types of bonds. Compare English bond with Flemish bond. Draw the plan and elevation of double Flemish bond of 2 brick thick wall.	07 07	
Q.5	(a) (b)	Enlist the types of stone masonry. Explain random rubble masonry. Give the requirement of form work	07 07	

Write properties and advantages of R.C.C. Write advantages of steel truss over timber sloping roof.

OR

(a)

(b)

Q.5

07

07