

Department of MCA
Semester -1
Subject : Database Management System

Assignment -2

Q-1

Doctor detail as well as patient and their admitted room details are given below

Normalize the given data upto the 3 NF .

Doc no	Doc name	phno	departm entid	Department name	charges/ hour	patient no	patient_ name	patientp hno	roomno	roomtype	bedno
101	Dr Shashant	222	1	General physician	500	p1	reema	1101	R2	Normal	B2
						p2	anand	2203	R2	Noraml	B3
						p5	sumer	2200	R1	semispecial	B1
102	Dr prashant	333	1	General physician	500	p3	sunanda	1104	R2	Normal	B4
						p4	ronak	3306	R1	semispecial	B2
103	Dr Rekha	444	2	Kidney	600	p6	vihan	3456	R2	Noraml	B1
						p9	parth	2365	R3	special	B3
						p10	hemang	9867	R3	special	B2
104	Dr Sohil	555	3	Ortho	600	p11	tusar	6709	R3	special	B1
						p8	bansari	3487	R1	semispecial	B3

Q-2

Given a relation R(A, B, C, D) and Functional Dependency set FD = { AB → CD, B → C }, determine whether the given R is in 2NF? If not convert it into 2 NF.