Enrolln	nent N						
		C. U. SHAH	UNIVERSITY				
		Winter Exa	mination-2022				
Subject Name : Mobile Computing and Application Development							
Subject Code: 4TE07MCA1			Branch: B.Tech (CE)				
Semeste	er: 7	Date: 22/11/2022	Time: 11:00 To 02:00	Marks: 70			
(2) (3)	Use of Instru Draw	f Programmable calculator & any ctions written on main answer be neat diagrams and figures (if neone suitable data if needed.		hibited.			
Q-1		Attempt the following question	ns:	(14)			
	a)	What is Mobile IP?					
		What is Middleware? List difference of the Property of the Pro	ent types of Middleware.				
	- /	Define BTS. Write the features of 4G technological technological stress of 4G technological stress of	ogy				
	-	Define Activity and Layout.	ogy.				
	f)	Give the full form of TDMA.					
	-	Define Frequency reuse.					
	,	Write the full form of BSC. List any four characteristics of M	Johila Communication				
	i) j)	What is difference between hand					
	-	Write the full form of MAC.	and mandover.				
	1)	What is Wi-Max technology?					
		List any four android layout type					
	n)	How to call another activity in A	.ndroid?				
Attemp	t any	four questions from Q-2 to Q-8					
Q-2		Attempt all questions		(14)			
A		Explain WiFi and WiMax technology	<b>.</b>	7			
В	}	Discuss the network elements in Also discuss applications and lin	GPRS that are different from GSN nitations of GPRS.	Л. 7			
Q-3		Attempt all questions		(14)			
A		Compare 1G, 2G, 2.5G and 3G r	nobile communications.	7			
В	}	Write a note on Bluetooth protoc	col stack.	7			



What is RFID? Differentiate active and passive RFID.

**Attempt all questions** Explain SMS architecture in detail.

Q-4

 $\mathbf{A}$ 

В

**(14)** 

7

7

Q-5		Attempt an questions	(14)
	$\mathbf{A}$	Explain Android Text View and Button view controls with an example.	4
	В	Explain GSM Architecture with the help of figure including all the components in detail.	10
Q-6		Attempt all questions	(14)
	$\mathbf{A}$	Compare AOC Client and SOC Client.	7
	В	Write a note on 5G technology.	7
Q-7		Attempt all questions	(14)
	A	Write a note on VOIP.	7
	В	Explain three tier Mobile Computing architecture.	7
Q-8		Attempt all questions	(14)
	$\mathbf{A}$	Explain handoff and handover of call with the help of examples.	7
	В	Draw the diagram and explain Android activity life cycle.	7

