Enrollment	No:	Exam Seat No:	
Emonnent	C. U. SHAH	UNIVERSITY mination-2019	
Subject Nar	ne: Mobile Computing and App	olication Development	
Subject Cod	le: 4TE07MCA1	Branch: B.Tech (CE,IT)	
Semester: 7	Date: 15/11/2019	Time: 10:30 To 01:30	Marks: 70
(2) Instr (3) Drav		•	hibited.
Q-1	Attempt the following questio	ns:	(14)
b) c) d) e) f) g) h) i) k) l) m	State importance of event drive Explain purpose of R.Java and S Write full form of OHA and AV	nes. n programming. Strings.xml File VD nd services and background services mework ectoring? doff and handover? rent types of Middleware.	s of
Attempt any	y four questions from Q-2 to Q-	8	
Q-2 a) b)	· · · ·	5G and 3G mobile communications of GSM system and types of service	` ′
Q-3	Attempt all questions Compare AOC Client and SOC	Client.	(14) (07)



**b**) Write a note on Bluetooth protocol stack.

**(07)** 

Q-4		Attempt all questions	<b>(14)</b>
a)	<b>a</b> )	Create a Login application which takes username and password from	<b>(07)</b>
		user. Whenever password is admin, redirect to second activity and	
		display Welcome User message to second activity, otherwise toast	
	1. \	message Invalid Credentials.	(07)
	<b>b</b> )	Discuss the network elements in GPRS that are different from GSM. Also discuss applications and limitations of GPRS.	(07)
Q-5		Attempt all questions	(14)
	a)	Explain Mobile Originated and mobile terminated call procedure with suitable example.	(07)
	<b>b</b> )	What is Direct Sequence Spread Spectrum technology? How does it	(07)
		work in CDMA technology?	
Q-6		Attempt all questions	<b>(14)</b>
	<b>a</b> )	Explain Android application framework with their components.	<b>(07)</b>
	<b>b</b> )	Explain WiFi and WiMax technology in detail.	(07)
Q-7		Attempt all questions	(14)
	<b>a</b> )	What is RFID? Differentiate active and passive RFID.	(07)
	<b>b</b> )	Explain Wireless LAN security issues and also explain hidden & exposed terminal problem in wireless LAN.	(07)
Q-8		Attempt all questions	(14)
•	a)	Explain and difference between Indirect TCP, Snooping TCP and Mobile TCP.	(07)
	b)	Explain Android Text View and Button view controls with an example.	(07)

