Seat No.:	Enrolment No.

		GUJARAT TECHNOLOGICAL UNIVERSITY	
Su	biect	BE - SEMESTER-VII (OLD) - EXAMINATION – SUMMER 2017 Code: 170702N Date: 11/05/20	17
	U	Name: Wireless Communication & Mobile Programming	
	•	2:30 PM to 05:00 PM Total Marks:	<b>70</b>
Ins	tructio	ons:	
	1. 2. 3.	r i i i i i i i i i i i i i i i i i i i	
Q.1	(a)	Discuss Multimedia Message Service Environment (MMSE) with proper figure.	07
<b>Z</b>	( <b>b</b> )	Explain the essential characteristics of frequency reuse concept. Draw and explain cell cluster in GSM for $k=4$ .	07
Q.2	(a)	Explain tunneling operation in Mobile IP. Discuss the new fields in Mobile IP other than IP.	07
<b>C</b>	(b)	State and explain different names, mobile computing can be called in different context.	07
		OR	
	<b>(b)</b>	Draw GPRS System Architecture. Discuss GPRS network enhancement over GSM.	<b>07</b>
Q.3	(a)	What is WiMax? How is it different from WiFi?	07
	(b)	Explain wireless TCP and differentiate Indirect TCP, Snooping TCP and Mobile TCP.	07
	` /	OR	
Q.3	(a)	List and explain various addresses and identifiers used in GSM.	07

OR

Compare SIP with H.323. **Q.4** (a) Write note on RFID security and Mobile Agent security. **(b)** 

Explain various spreading techniques used in spread spectrum.

Discuss GPRS specific applications along with limitations of GPRS.

Explain ICAP in detail with list of services it can provide. **Q.5** (a) **07 07** 

Compare SOC and AOC clients. **(b)** 

Give advantages of Wireless LAN.

**(b)** 

(a)

**(b)** 

**Q.4** 

OR

List and explain the categories in which Middleware of mobile computing can be grouped in. **Q.5** (a)

**(b)** Discuss various strengths of SMS. Define SMMT.

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