Enrollment No.

KADI SERVA VISHVAVIDHAYALA UNIVERSITY LDRP INSTITUTE OF TECHNOLOGY & RESEARCH GANDHINAGAR B.E. SEMESTER – VI (IT) MID-SEMESTER EXAM. Feb.-2015

SUB: Mobile Computing

Subject Code: IT601 Time: 12.00 to 1.30 pm

Date: 27/02/2015 Total Marks: 30

<u>Instru</u>	ctions: (1) Figure to the right indicates full marks. (2) Assume suitable additional data, if necessary. (3) Indicate clearly, the option you attempt along with its respective Question Number.	
Q.1		5.53
a) b)	What is SMS? Describe various strengths of SMS & explain all of them. Illustrate GPRS network Architecture. Describe what is the limitation of GPRS?	[5] [5]
Q.2	Explain any Two.	
a)	Explain IEEE 802.16 standards define how wireless traffic will move	[5]
, en	between subscribes and core network.	
b)	Describe the GSM architecture and its different elements in this	[5]
c)	architecture. Explain how does mobile IP work? What are the challenges with mobile IP with respect to high speed mobility? How does cellular IP solve some of these challenges?	[5]
Q.3	Explain any Two.	
a)	Explain about Bluetooth & its protocol.	[5]
b)	What is active RFID? Describe two applications of active RFID. How is	[5]
	active RFID different from passive RFID?	r = 1
c)	Justification all of this below in short:	[5]
	1) Tunneling	
	2) Home agent	
	3) Care-of address4) Home address	
	4) Home address5) Hand-off/roaming	· ·
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