(10 Marks)

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Fifth Semester MCA Degree Examination, Dec.2014/Jan.2015 Wireless Networks and Mobile Computing

	•	Wireless Networks and Mobile Comput	ting
10	me:	Note: Answer any FIVE full questions.	Max. Marks 190
9,	?/i	Notes Annual EUC CH	Max. Marks 100 (03 Marks)
		Note: Answer any FIVE full questions.	ON.
		CO.	00
1	a.	List the different types of networks used is mobile computing. Explain the layered structure of WiMAX protocol stock	(O2 Manta)
	b.	Explain the layered structure of WiMAX protocol stack.	(03 Marks) (07 Marks)
	c.	With a near diagram, explain the typical data flow in an ICAP environment	
19			(10 Marks)
	•	3/ 2/V	
2	· a.	What is PCS? Discuss supportability for PCS frequencies	(05 Marks)
	b.	Discuss various GSM entities.	(05 Marks)
	c.	Explain the architecture of SMS.	(10 Marks)
		<i>*</i> 20.	,
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'3	a.	Explain the two modes of GPRS with suitable example.	(05 Marks)
	b.	Write any five applications of GPR	(05 Marks)
	C.	Discuss the layers of BSS and SGSN starface.	(10 Marks)
	- "	CVC,	
4		Explain the CDMA Data Protocol Stack layer, with a neat diagram.	
7	a. b.	Discuss various careading to brigues in caread de Court technology	(10 Marks)
	U.	Discuss various spreading techniques in spread spectium technology.	(10 Marks)
-5	a.	Differentiate between the capabilities of mobile phones, PDA's and com-	municators
		΄ Ο΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄ ΄	(10 Marks)
·	b.	What is an probile IP? Explain the three main phases of mobile IP process	SS. (10 Marks)
		Attic 2	
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6	a.	Explain the smart client architecture, with a neat diagram.	(10 Marks)
	b.	was are the technical challenges encountered while developing mobile	** 🗸
	ے	O'	$O_{\bullet}^{(10 \text{ Marks})}$
	1	List the wireless markup languages used to create wireless internet and	٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠
10	Na.	List the wireless markup languages used to create wireless internet and	evolain any of
'O'	***	them.	(10 Marks)
// -	b.	Explain the various stages of internet request.	(10 Mark 0)
			(av nammag)
	۲		
8	a.	Write short notes on: CDC and J2ME.	(10 Marks)
	. h.	Evaloin the MIDlet life and with a most diagram	, , ,

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Explain the MIDlet life cycle, with a neat diagram.