## **END TERM EXAMINATION**

SIXTH SEMESTER [BCA] MAY-JUNE 2016

Paper Code: BCA 304 Time: 3 Hours		James de la constante de la co	Subject: Mobile Computing	
		ours Maximum Marks :75	5	
No	te: At	tempt any five questions including Q.No1 which is compulsory.		
Q1.	Answ	ver the following:		
81.	a)	E-plain and for the first transfer of the fi		
	b)	Presentation Alexander Albanian Control Contro	2.5	
	c)	Fredhin by the state of the sta		
	d)	Define the term 1:11 / / /		
	e)	Thursday 1	70	
	f)	Mention the features of mobile internet. (2)		
	g)	Explain the features of WML cards and WML deck.		
	h) ·	Mention the role of timer and bookmarks in WML script.		
Q2.	a)	Define the terms related to signal propagation: transmission range detection range and interference range.		
	b)	Explain the occurrence of long term fading and short term fading ir	1	
	0)	multi-path propagation.	30	
	c)	Draw the waveforms of AFSK and APSK, and explain them.	)	
Q3.	a)	Compare Space Division Multiplexing, Frequency Division Multiplexing and Time Division Multiplexing. Give their respective applications. (4+2=	6	
	b)	Explain how MACA avoids hidden terminals and exposed terminals. Give	2	
	c)		1	
	C)	Explain Reservation TDMA access scheme and Polling TDMA access scheme. Give an example for each. (5		
Q4.	a)	Compare the following:		
	,	i) SDMA	0	
		ii) FDMA		
		iii) TDMA		
	b)	Draw the system architecture of GSM. Explain its working. (4)		
	c)	Explain the process of mobile originated call and mobile terminated call		
		GSM. (5)		
Q5.	a)	Explain the following features in WML:		
	500 OFF	i) Tasks	1	
		ii) Events		
		iii) Bindings		
	b)	Mention any four types of input used in WML. (4)	ĕ	
	c)	Give an example to illustrate table tags and image tags in WML. (5)		
		1	W	
Q6.	a)	Explain WAP architecture. (5)		
	b)	Using WML illustrate loop statement and conditional statement. (5)		
	c)	Write WML script function to check a valid 10 digit mobile number. For		
	•	a valid 10 digit number, display the message "correct number", and for	•	
		invalid number, display the message "wrong number". (5)		
Q7.	a)	Explain WML script Programs. (5)		
	b)	Mention any five features of WML Script standard library reference. (5)		
	c)	Explain the security and limitations in WAP services (5)		

