C

Duration: Three hours

(a) Android

Reg. No.:										
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Maximum: 100 Marks

(d) None of these

Question Paper Code: 59224

B.E./B.Tech. DEGREE EXAMINATION, MAY 2018

Elective

Computer Science and Engineering

15UCS924 - MOBILE COMPUTING

(Regulation 2015)

		Answer All (Questions		
		PART A - (5x 1	= 5 Marks)		
1.	World's first cellular system was developed by				
	(a) Nippon Telephone	and Telegraph (NTT)	(b) Bellcore and Motorola		
	(c) AT&T Bell Labora	atories	(d) Qualcomm		
2.	The 2G cellular netw	ork uses		CO2- U	
	(a) TDMA/FDD	(b) CDMA/FDD	(c) Digital modulation	(d) All of the above	
3.	The 2G GSM technological	CO3- R			
4.	(a) 1.25 MHz Bluetooth is an examp	(b) 200 KHz ble of	(c) 30 KHz	(d) 300 KHz CO4- U	
	(a) WAN	(b) PAN	(c) MAN	(d) ZAN	
5.	Which operating syste	em is used for Apple pro	oducts?	CO5- R	

(c) IOS

(b) Black Berry

PART - B (5 x 3= 15Marks)

6.	Dist	CO1- U					
7.	Wha	at is ARP?	CO	D2- U			
8.	3. Define UMTS.			CO3- U			
9.	9. Define routing.			CO4- U			
10.	10. What is monolithic kernel OS design?			CO5- U			
	PART – C (5 x 16= 80Marks)						
11.	(a)	(i) Explain the structure of mobile computing application in detail	CO1-U	(8)			
		(ii) Discuss about the wireless MAC issues.	CO1-U	(8)			
		Or					
	(b)	Discuss about the mobile computing applications.	CO1 -U	(16)			
12.	(a)	Define Mobile IP. Explain about the key mechanism in mobile IP. Or	CO2 -U	(16)			
	(b)	Explain about the architecture and operation of TCP/IP in detail.	CO2 -U	(16)			
13.	(a)	(i) Explain the protocol stack of UMTS in detail.	CO3- U	(8)			
		(ii) Discuss about General Packet Radio Service in detail.	CO3- U	(8)			
		Or					
	(b)	Discuss about the GPRS in detail.	CO3- U	(16)			
14.	(a)	Explain Ad hoc On-Demand Distance Vector (AODV) protocol in detail.	CO4-U	(16)			
		Or					
	(b)	Explain the characteristics and applications of MANET in detail.	CO4 -U	(16)			
15.	(a)	Briefly describe any four of the commercial mobile operating system.	CO5- U	(16)			
		Or	go	/a =:			
	(b)	Explain in detail the online payment system with an example.	CO5- U	(16)			