		Reg. No. :									
Question Paper Code: 59413											
B.E./B.Tech. DEGREE EXAMINATION, SEP 2020											
Elective											
Electronics and Communication Engineering											
15UEC913 - WIRELESS NETWORKS AND STANDARDS											
(Regulation 2015)											
Duration: One hourMaximum: 30 M PART A - (6 x 1 = 6 Marks)											
(Answer any Six of the following Questions)											
1.	1. Which one is not a TDMA standard of second generation networks?							CO1- R			
	(a) GSM	(b) IS-136	(c)) AMPS	((d) PDC	2				
2.	What are the types of channel assignment?							CO1- R			
(a) Fixed channel assignment			(b	(b) Moderate channel assignment							
	(c) Dynamic channel assignment			(d) All of these							
3.	The uplink frequency of P-GSM system is							CO2- U			
(a) 1850-1910 MHz (b)1710-1785				(c)890-	l) 900-1	100 MHz					
4. Which of these are Digital Cellular Technologies								CO2- R			
	(a) IS:54 / IS-136 – N America			(b)GSM – Europe and Asia							
	(c)IS-95 – N America			(d)cdma 2000							
5.	carries digitally encoded user data.						CO2- R				
	(a) Traffic Channels		(b) C	(b) Control Channels							
	(c) Signaling Channels		(d) F	(d) Forward Channels							
6.	6. Which of the following specifies a set of media access control (MAC) and physical layer specifications for implementing WLANs?										
	(a) IEEE 802.16	(b) IEEE 802.3) IEEE 80	0.11	(1) IE	EE 802	15			

7.	What is the range of asynchronous user data rates provided by HIPER-LAN?									
	(a) 1-100 Mbps	(b)50-100 Mbps	(c)1-20 Mbps	(d) 500 Mbp	s – 1Gbps					
8.	Which of the following WLAN standard has been named Wi-Fi?									
	(a) IEEE802.6	EEE802.6 (b) IEEE 802.15.4 (c) DSSS IEEE 802.11b (d) IEEE 8								
9.	MANET stands for									
	(a) Multiple ad hoc ne	et	(b) Multiple acces	(b) Multiple access net						
	(c) Mobile access net		(d) Mobile ad hoc	(d) Mobile ad hoc net						
10.	Here are the types of Ad Hoc Networks except									
	(a) WARNET	(b) MANET	(c) WANET	(d) VAN	ET					
$PART - B (3 \times 8 = 24 \text{ Marks})$										
(Answer any Three of the following Questions)										
11.	Explain in detail the performance of the random access scheme for data CO1-U									
	oriented networks.									
12.	Explain in detail	about Fixed-Assign	ment for Voice	Oriented CO1-U	(8)					
	Networks.									
13.	Compare the various	. CO2- U	(8)							
14.	Describe IEEE Standa	CO3-U	(8)							
15.	Outline the design cl sensor network.	nallenges in mobile a	adhoc networks and	wireless CO4-U	(8)					