CD	Pall	No
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	WIRELESS AND MOBILE COMMUNICATION 6TH Exam/ECE/ETV/ ECEII/0761/8164/5761/Nov'16
Duration	on: 3 hrs M. Marks: 75
	SECTION – A
Q.1 Fill	in the blanks: 1x15=15
	a. ITU stands for
k	o are caused by mobility of terminals.
	E Frequencies can penetrate buildings and heavy foliage quite easily.
C	d was first 2G system.
	e. The average radii of all the cells in the network with cell splitting.
	. SIM stands for
_	g. RFID stands for
	n. In Pico cells, the cell size varies from
i	
j	
	t. The area covered by one network operator is called
I	has a very high spectral efficiency.
r	m users share a common frequency channel, on the same frequency at the same
	time.
r	n. Signals which are in frequency to the desired signal cause adjacent channe
	interference.
C	consists of decreasing the radii of existing cells and adding new ones.
	SECTION – B
	ttempt any six Questions. 5x6=30
	Write down advantages of wireless communication?
	What is interference? Explain its types?
	Explain cellular phone system in detail.
	Write a short note on the concept of handoff.
	What do you mean by cellular repeater? Explain its need.
	What are different types of schemes of spread spectrum?
_	Explain Bluetooth system operation.
h.	Give applications of GPS.
	SECTION - C
Note:	Attempt any three questions. 10x3=30
Q3.	What are the factors that affect the propagations of the signal? Explain in detail.
Q4.	Write short notes on (any two)
	a) Frequency response
	b) Cell sectoring
	c) Cell splitting
Q5.	Compare FDMA, TDMA and CDMA.
Q6.	Explain the GSM operation in detail.