CA SEM-V | CBSGS | Wireless & Mobile Technology

QP CODE: 516300

		(3 Hours)	[10	itai Marks: 80	7]
N.I	(2) (3) (4)	Question No.1 is compulsory. Answer any four from remaining six que Assumptions should be made whenever Answers to sub questions should be answ Illustrate answers with diagrams whenever	required and should be clearly wered together	stated	
1.	(a)	What are the functions of authentical system security is maintained?	tion and encryption in GSM	? How the	[10]
	(b)	What are the different types of control control channels are used for mobile or	하는 사용 사용 사용하는 사용하는 것이 되었습니다. 그는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하	The second secon	[10]
2.	(a)	What is spread spectrum? Explain the detail.	ne Direct Sequence Spread	Spectrum in	[80]
	(b)	Explain with the state diagram how standby state to the active state	the bluetooth devices change	ges from the	[07]
3.	(a)	What modifications are made to the arc with the help of the diagram with its co		RS. Explain	[80]
	(b)	What is a convolution code? Draw a encoder (2,1,3)	shift register and state diag	gram for the	[07]
4.	(a)	Explain the indirect TCP and Sn disadvantages	ooping TCP with its adv	antages and	[80]
	(b)	Give reasons for a handover in GSM stypes of handover can occur?	and the problems associated	with it. What	[07]
5.	(a)	Explain the IEEE 802.11 system archi provided by IEEE 802.11	tecture with diagram. Discuss	the services	[80]
	(b)	Discuss the following impairments in wireless environments. (i) Atmospheric absorption (ii) Multipath Propagation (iii) Fading			[07]
6.	(a)	List the entities of mobile IP and describe data transfer from a mobile node to a fixed node and vice versa. Why and where is encapsulation needed?			[08]
	(b)	Discuss IEEE 802.16 architecture and its services.		[07]	
2,		Write short notes any three of the following:			[15]
		(a) Hidden and Exposed terminals (c) Tromboning	(b) Different types of short(d) SyncML	messages	