Exam.Code:0970 Sub. Code: 7065

2063

M.E. (Electronics and Communication Engineering) Second Semester

ECE-1203: Wireless and Mobile Communication

Time allowed: 3 Hours	
	Max. Marks: 50
NOTE: Attempt <u>five</u> questions in all, including Question No. I whice selecting two questions from each Part.	ch is compulsory and
<i>x-x-x</i>	
1. (a) What is Hard Handoff? Where is it implemented?	(2)
(b) What is co-channel interference?	
(c) What is Coherence bandwidth?	(2)
(d) What is frequency interleaving?	(2)
(e) Why more guard period is provided in RACH channel?	(2)
	(2)
Part- A	
2.(a) What are Intelligent Networks? Explain their role in Wireless Com (b) What are various tool.	
(b) What are various techniques to enhance capacity & coverage in cel	munication. (5)
r so contained capacity & coverage in cel	lular communication?
	(5)
3 (a) What are Carrier Sense Multiple Access protocols?	
(b) Explain the second	(5)
(b) Explain the architecture of GSM 900 and list its air interface specifical	ations. (5)
4. (a) In frame structure of GSM of normal time slot, why would the 26 eq	lializer training bits t
Tallio Tallio IIIIII at the booing of the	e reason for the
(b) What are security aspects of GSM? Explain in detail.	(5)
r-main detail.	(5)
Part-B	
5. (a) Draw the Network Reference Model of CDMA & give its key features (b) What are the roles of propagation.	
(b) What are the roles of propagation models in wireless are	S. (5)
(b) What are the roles of propagation models in wireless communication?	Explain any outdoor
6. (a) What is small scale fading? Explain factors influencing small scale small scale fading.	fading and types of
(b) With past 1.	(5)
(b) With neat block diagram explain how RAKE receiver provides divers performance of CDMA receiver.	(3)
	sity to improve the
7. Write technical notes on the followings:	(5)
(a) 15-95	
(b) Long Term Evolution	(5)
	(5)