BE/COM/ SEMUL I REV

(c) Bluetooth protocol stack

(d) HIPERLAN-2

MObile computing

Con 6599-10

1 1-Con No-85

(REVISED COURSE)

	(3 Hours)	[Total Marks : 100
	l is compulsory our questions out of remaining six quest assumption wherever necessary and c	
Q. 1. (a) Which components	s are new in GPRS as compared to GSM? Wh	nat is their purpose? [5]
(b) What are the gener	ral problems of Mobile IP regarding the suppo	ort of quality of service? [5]
(c) Compare IEEE 802 Capability	2.11, HIPERLAN-2 and Bluetooth with regard	te their ad-hoc [5]
(d) What is the simple	e scheme to solve the hidden terminal problem	n in wireless network? [5]
	in benefits of spread spectrum system? Howagram of FHSS transmitter and receiver.	w can spreading be achieved? [10]
(b)Elaborate on variou	us handover mechanisms in cellular system.	[10]
Q. 3. (a) Explain UMTS are	chitecture and its domains.	[10]
(b) How power mana	gement is achieved in ad-hoc and infrastructu	re modes of WLAN (802.11)? [10]
Q. 4. (a) Explain WATM re	eference model with several access scenarios.	[10]
	CP is not suitable for mobile environment ect-TCP, Snooping-TCP and M-TCP.	? Discuss about strengths and [10]
	ling mechanism of Mobile IP using IP-in-IF tively. Discuss pros and cons of these three m	
(b) Explain protocol at	chitecture of DECT.	[10]
	lata rates be achieved in standard GSM usin What are the main differences of these approach	
(b) List the ervices of (WLL).	ffered by 3G mobile systems. Discuss the arc	chitecture of wireless local loop [10]
Q. 7. Write short notes on	any two	[20]
(a) Capabilities of sat (b) Wireless Telepho	tellite in mobile communication ony application	