

CODE NO : D 1684

2007 CALICUT UNIVERSITY
B.TECH COMPUTER SCIENCE & ENGINEERING
MOBILE COMMUNICATION SYSTEM

DECEMBER 2007

TIME::3 HOUR
MARK:100

ANSWER ALL QUESTIONS

PART A [MARKS 8*5=40]

- 1.(a) what is SDMA? write short notes on it.
- (b) write the concept of "frequency reuse".
- (c) what is the function of equipment identity register in GSM?
- (d) list the types of handover in GSM.
- (e) write the two different basic transmission technologies used to set up WLAN.
- (f) list the general extensions of the ATM system need to be considered for mobile ATM.
- (g) what is ment by care-of-address?
- (h) what is meant by encapsulation?

PART B [MARKS 4*15=60]

- 2.(a) draw the transmitter and receiver blocks of direct sequence spread spectrum system and explain.
OR
(b) discuss various diversity antenna systems used in wireless communication.
- 3.(a) draw the signal flow diagram of intra-MSC handover in GSM.
OR
(b) discuss the application of satellite systems.
- 4.(a) discuss the HIPERLAN protocols, services and data units.
OR
(b) explain the states of Bluetooth device.
- 5.(a) (i) what is meant by reverse tunneling? explain
(ii) write short notes on IPV6
OR
(b) write the features and explain the advantages and disadvantages of snooping TCP.