

(3 hours)

[Total Marks: 80]

- 1) Question No.1 is **compulsory**.
- 2) Attempt any **three** questions out of the remaining questions.
- 3) Make suitable assumptions wherever necessary.

Q1 A	What is GPRS ? Describe its architecture in detail	10
B	What are various issues in signal propagation ?	10
Q2 A	Describe GSM in detail.	10
B	Explain GEO and LEO satellite systems.	10
Q3 A	What is goal of Mobile IP ? How is packet delivery achieved to and from mobile node?	10
B	Discuss various types of Handoffs in cellular networks.	10
Q4 A	Explain HIPERLAN 2 data link control layer.	10
B	What are android SDK features	10
Q5 A	Describe Bluetooth protocol stack.	10
B	What are security issues in mobile computing?	10
Q6	Write short notes on any 02.	20
	a) Antennae.	
	b) Authentication and privacy in GSM.	
	c) TETRA	
	d) 4G architecture. Comparison of 3G and 4G networks	

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