K.G.C.E.
EXAM
KARJAT, RAIGAD

Q.P. Code: 36774

[Time: Three Hours]   [Marks:80]

Please check whether you have got the right question paper.

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

Q.1.	A)	Discuss multiplexing in wireless communication.	10
	B)	Explain the need of specialized MAC in wireless communication.	10
Q.2.	A)	Explain in detail Bluetooth protocol architecture.	10
	B)	Explain HIPERLAN 1 MAC sublayer.	10
Q.3.	A)	Explain agent advertisement and discovery registration in mobile networks.	10
	B)	Why and how can optimization in mobile IP be achieved.	10
Q.4.	A)	Explain GSM architecture in detail.	10
	B)	Explain types of handoffs in mobility management.	10
Q.5.	A)	Explain any two TCP for mobile communication.	10
	B)	Explain wireless local loop architecture	10

Q.6.   Write short notes on (any 02)   20
   a) Cryptographic tools for Security in mobile computing.
   b) GPRS network nodes.
   c) Android layers.
   d) Satellites (GEO and LEO)

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