

**MAY - 18****Q.P. Code: 36774****[Time: Three Hours]****[ Marks:80]**

N.B:

Please check whether you have got the right question paper.

- 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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