

MOBILE COMM^N & COMPUTING

Q.P. Code : 581800

MAY - 16

(3 Hours)

| Total Marks : 80

- N.B. :** (1) Question No.1 is Compulsory.
 (2) Attempt any Three questions out of remaining questions.
 (3) Make suitable assumptions whenever necessary.

- | | |
|--|-----------|
| | 10 |
| 1. a) Explain in short how Hidden Station Problem is Avoided in WLAN. | |
| b) What are the Deployment issues of WLL? | 10 |
| c) What are the general problems of satellite signals travelling from a satellite to a receiver ? | 10 |
| d) Explain how Mobile originated call (MOC) work. | |
| e) What are the characteristics of SIM ? | 10 |
| 2. a) Why is Mobile IP packet required to be forwarded through a tunnel. Explain IP-in-IP Techniques of encapsulation of mobile IP packet. | 10 |
| b) What are the modifications require to an existing GSM network to be upgraded to GPRS, Explain with the help of diagram. | 10 |
| 3. a) Explain in detail HIPERLAN/1 physical layer. | |
| b) Explain in detail 4G architecture. | 10 |
| 4. a) Explain in detail Bluetooth Protocol Architecture. | 10 |
| b) What are the security issues in mobile Computing. | 10 |
| 5. a) Compare HIPERLAN 2, BLUETOOTH, IEEE 802.11. | |
| b) What are the different types of Handover in GSM ? Explain in Detail Intra-MSC handover. | 10 |
| 6. Write short notes on the following. | 20 |
| a) Role of SUMR register in satellite roaming. | |
| b) Android components. | |
| c) Location management HLR-VLR scheme. | |
| d) Digital Signature. | |