

COMP Sem VII Rev 21/5/13

mobile computing

GS-5539

Con. 8890-13.

(REVISED COURSE)

(3 Hours)

[Total Marks : 100

- N.B.** (1) Question No. 1 is compulsory.
(2) Attempt any **four** questions out of remaining **six** questions.
(3) Assume suitable **data** whenever **necessary**.

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| 1. | (a) What do you mean by Near and far terminals problem ? | 5 |
| | (b) Explain VOIP service for Mobile Networks. | 5 |
| | (c) What is the use of HLR & VLR registers in Mobile computing ? | 5 |
| | (d) Explain different types of Spread Spectrum technique used in cellular system. | 5 |
| 2. | (a) Draw a neat diagram of GPRS system architecture and explain with different types of interfaces. | 10 |
| | (b) Explain protocol architecture of 802.11. | 10 |
| 3. | (a) Explain I-TCP and M-TCP in detail. | 10 |
| | (b) Explain wireless datagram protocol. | 10 |
| 4. | (a) Explain various protocols of MANET Routing protocols. | 10 |
| | (b) Describe the Mobile satellite system (LEO & GEO). | 10 |
| 5. | (a) Explain Handoff. Management technique used in cellular system. | 10 |
| | (b) Explain Motivation of WATM also explain WATM generic reference Model ? | 10 |
| 6. | (a) Explain UTRA FDD TDD mode in detail ? | 10 |
| | (b) Compare 802.11 and 802.15. | 10 |
| 7. | Write short notes on any four :- | 20 |
| | (a) RFID | |
| | (b) M-commerce | |
| | (c) Wireless Sensor Network | |
| | (d) H.323 Network | |
| | (e) WML script. | |
