

Total No. of Printed Pages:01

SUBJECT CODE NO:- H-1691
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E. (Comp. Sci. & Engg.)
Elective-II: Wireless Comm. & Mobile Computing
(REVISED)

[Time: Three Hours]

[Max.Marks: 80]

Please check whether you have got the right question paper.

- N.B
- i) Q.No.5 & Q.No.10 are compulsory.
 - ii) Solve any three questions from section- A & B each.

Section A

- | | | |
|-----|--|----------|
| Q.1 | a. Explain the evolution of wireless communication technology.
b. Compare TDMA and FDMA in detail. | 08
07 |
| Q.2 | a. Explain WAP-model in detail.
b. Discuss wireless LAN. | 08
07 |
| Q.3 | a. Discuss mobility management and hand off management in wireless protocols.
b. Explain the architecture of GSM. | 08
07 |
| Q.4 | a. Discuss the network operations in GPRS.
b. Explain how administration and maintenance is carried out in GSM. | 08
07 |
| Q.5 | Write short note on (any two)
a. Wi fi
b. IPv6
c. Bluetooth | 10 |

Section B

- | | | |
|------|--|----------|
| Q.6 | a. Draw and explain the architecture of mobile computing environment.
b. Explain the data management issues regarding mobile computing environment. | 08
07 |
| Q.7 | a. Explain palm operating system for wireless devices.
b. Discuss design considerations of mobile computing. | 08
07 |
| Q.8 | a. Discuss the various issues of mobile networks.
b. Discuss the various security issues in mobile networks. | 08
07 |
| Q.9 | a. Explain power management in mobile networks.
b. Discuss the various VOIP applications. | 08
07 |
| Q.10 | Write short note (any two)
a. Linux for mobile devices
b. Ad hoc Network
c. Mobile Agents. | 10 |