

**SUBJECT CODE :- 8101**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**M.E.(Computer Science Engg.) Examination Nov/Dec 2015**  
**Elective-II: Wireless Communication & Mobile Computing**  
**(Revised)**

**[Time: Three Hours]**

**[Max. Marks: 80]**

“Please check whether you have got the right question paper.”

- N.B
- i) Assume suitable data wherever necessary
  - ii) Q. no. 5 and Q. no. 10 are compulsory.
  - iii) Answer any two questions from section A & B from remaining.
- Section A
- Q.1
- a) Discuss evolution of wireless communication 08
  - b) Draw and explain C DMA 07
- Q.2
- a) Give the introduction to medium access control 08
  - b) Draw and explain the telecommunication system in detail. 07
- Q.3
- a) Discuss the architecture of WAP 08
  - b) Discuss any one media access technique 07
- Q.4
- a) Discuss mobility management and handoff management. 08
  - b) Explain the admiration and maintenance of G S M 07
- Q.5 Write short note on ( Any two) 10
- i. GPRS
  - ii. IP v6
  - iii. WI FI
- Section – B
- Q.6
- a) Give the design consideration for mobile computing environment 08
  - b) Discuss the various file systems used in mobile computing environment 07
- Q.7
- a) Discuss the Linux operating system for mobile devices 08
  - b) Discuss the various routing issues related to mobile networks. 07
- Q.8
- a) Explain how security is provided to mobile networks. 08
  - b) Explain power management in mobile networks. 07
- Q.9
- a) Give the various applications of VOIP. Explain any one in detail. 08
  - b) Explain the various caching schemes used in mobile computing environment 07
- Q.10 Write short note (any two) 10
- i. EPOC
  - ii. Adhoc Networks.
  - iii. Mobility QOS