

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Electronics & Computer Engg.) (2011 Onwards) (Sem.-6)

MOBILE COMPUTING

Subject Code : BTEL-601

Paper ID : [A2346]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt **ANY FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt **ANY TWO** questions.

SECTION-A

Q1. Answer briefly :

- a) Signal
- b) Localization
- c) WiFi and Wired network
- d) Wireless Technology
- e) Mobility services
- f) WiMAX-802.16
- g) Mobile Computing *Vs.* Wireless Networking
- h) Mobile IP
- i) MIPv6
- j) Cloud Computing

SECTION-B

- Q2. Explain essence of Mobile computing. Explain challenges of Mobile web and smart phones.
- Q3. What are the security challenges in Mobile Computing?
- Q4. Describe the 3-tier structure of mobile computing.
- Q5. Give the difference between 1G, 2G, 3G and 4G mobile networks.
- Q6. What are the new forms of computing available?

SECTION-C

- Q7. What is mobile IP? Explain its terminology and requirement.
- Q8. Discuss the Mobile Database and Data Management issues of mobile computing.
- Q9. What is Bluetooth? Explain its architecture, security, applications and protocol stack.