

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(IT) (E-I 2011 Onwards) (Sem.-6)

**MOBILE COMPUTING**

Subject Code : BTIT-903

Paper ID : [A2357]

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) Write brief about :**

- a) Blue Tooth.
- b) Explain Memory Management.
- c) What is Web view overlay?
- d) What do you mean by Data management security?
- e) Explain the features of CDMA systems.
- f) Explain TCP and UDP.
- g) List the difference between analog and digital signal.
- h) What is DHCP?
- i) Explain mobile operating system.
- j) What do you mean by encryption?

### SECTION-B

- Q2) Explain TCP IP model in detail.
- Q3) Write brief about :
- a) fork()
  - b) wait()
  - c) exec()
  - d) getpid()
  - e) get()
- Q4) Explain the term deployment in Apple IOS, android and window phones.
- Q5) What is file system? Explain in detail along with its characteristics.
- Q6) List the relevant differences between authentication and authorization in detail.

### SECTION-C

- Q7) a) Write Shell script to identify that the given string is palindrome or not.
- b) Explain Folder, File in Mobile OS hence give the detailed description of Android applications.
- Q8) Explain how the Data Management is going to prove a major issue with the advancement in mobile computing? Explain.
- Q9) What do you mean by Memory? Explain how memory allocation is enabled in multi-tasking environment. List down its various merits and demerits along with.