

Code No: 824AZ

**R15****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA V Semester Examinations, January - 2018****MOBILE COMPUTING****Time: 3hrs****Max.Marks:75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A****5 × 5 Marks = 25**

- 1.a) Compare and contrast between mobile computing and wireless computing. [5]
- b) Write a short note on CDMA. [5]
- c) Briefly discuss about client programming. [5]
- d) Explain about J2ME profiles. [5]
- e) State the threats of mobile computing. [5]

**PART - B****5 × 10 Marks = 50**

2. Describe in detail about the Mobile Computing through Telephony. [10]
- OR**
3. Explain in detail about the various advantages and disadvantages of mobile computing. [10]
4. With a neat diagram explain the architecture of General Packet Radio Services (GPRS). [10]
- OR**
5. Describe in detail about the architecture of Short Message Service (SMS). [10]
6. Explain in detail about how wireless devices are connected with Symbian OS. [10]
- OR**
7. What is Intelligent Network? Explain the features of Intelligent Network. [10]
8. Draw a neat sketch to explain the architecture of Voice over Internet Protocol. [10]
- OR**
9. Explain in detail about the concept of MidLet Suite. [10]
10. List and explain in detail about the security issues in mobile computing. [10]
- OR**
11. Describe the role of multimedia in mobile computing. [10]

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