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Code No: 5258BB

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M. Tech I Semester Examinations, February - 2016

MOBILE COMPUTING

(Computer Science and Engineering)

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) What is mobile computing and What is mobile communication? [5]
- b) Write short notes on Short Message service. [5]
- c) What are the Requirements of wireless LAN? [5]
- d) What is the profile of mobile information Device? [5]
- e) What is multimedia and explain its importance in mobile computing? [5]

PART - B

5 × 10 Marks = 50

2. Explain different tiers used in mobile computing architecture with neat diagram. [10]
- OR
3. Explain mobile computing through Telephony. [10]
4. Describe the protocol architecture of GSM and explain the salient features of each layer. Explain the services provided by the GSM. [10]
- OR
5. Describe in detail the WAP protocol, architecture with neat diagrams. [10]
6. What are the features of PalmOS? Give the highlights of Palm OS device. [10]
- OR
7. Describe the highlights of Symbian OS and Explain SymbianOS Architecture. [10]
8. Windows CE is said to be multitasking and multithreading OS. Justify your answer. [10]
- OR
9. Explain J2ME Architecture. [10]
10. Explain Security issues in mobile computing. [10]
- OR
11. Explain about next generation networks in mobile computing. [10]

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