

Code No: 824AZ

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA V Semester Examinations, June/July - 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) What are the services of ICAP servers? [5]
- b) What are the applications of 3G? [5]
- c) Explain about the different types of wireless LANs. [5]
- d) Explain how multimedia handled in Windows CE. [5]
- e) Write brief notes on IP multimedia systems. [5]

**PART - B****5 × 10 Marks = 50**

2. Explain about the different types of multiplexing techniques. [10]
- OR**
3. Describe the protocol stack of Blue tooth with neat sketch. [10]
4. Explain the system architecture of GSM with neat sketch. [10]
- OR**
- 5.a) Explain about the Wireless Session Protocol.
- b) Explain about the short message mobile terminated with neat sketch. [5+5]
6. Explain about the MVC in Symbian. [10]
- OR**
7. Describe about the communication in Palm OS. [10]
8. Explain the different types of securities in MIDP. [10]
- OR**
9. Differentiate between SIP and H.323. [10]
- 10.a) What are the key components of Next Generation Networks.
- b) Explain the properties of transport layer security handshake protocol. [5+5]
- OR**
11. Describe the standards of Public Key Cryptography. [10]

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