

Code No: 815BR

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA V Semester Examinations, August - 2017****MOBILE APPLICATION DEVELOPMENT****Time: 3 Hours****Max. Marks: 60****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

**PART - A****5 × 4 Marks = 20**

- 1.a) What are the different platforms support for small computing devices? Explain briefly. [4]
- b) How can you control the network traffic in J2ME application? Explain. [4]
- c) Describe Date field class and write different modes in Date Field class. [4]
- d) What is timestamp? Write the pseudo code to insert time stamp in column of database table. [4]
- e) Give an account on types of HTTP Request Methods. [4]

**PART - B****5 × 8 Marks = 40**

- 2.a) Differentiate CDC and CLDC Configurations of J2ME.
  - b) Describe smart cards. [4+4]
- OR**
- 3.a) Describe the various profiles of J2ME.
  - b) Explain the working phenomenon of set up boxes. [4+4]
- 4.a) Write short notes on memory management in J2ME application.
  - b) Describe, how synchronization is maintained in J2ME application. [4+4]
- OR**
5. Explain, how multiple MIDlets are deployed in J2ME application and illustrate with an example. [8]
  6. Design MIDP application to display the selected item using Item class. [8]
- OR**
7. Demonstrate Ticker class with an example J2ME program. [8]
  8. Describe record store class in detail and write the program to read and write records into record store. [8]
- OR**
9. Write short notes on:
    - a) Record Enumeration
    - b) Record Listener Interface. [4+4]
  10. Explain the URL rewriting, HTTP session techniques in detail. [8]
- OR**
11. What is the purpose of file protocol in J2ME and also write the program to copy the data from MIDlet to a file. [8]

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