

Code No: 815BR

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA V Semester Examinations, April/May - 2019****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) Explain about the J2ME configurations. [4]
- b) Explain the attributes of a Manifest File. [4]
- c) Explain the layout of a Canvas. [4]
- d) Explain the rules for using VIEWS. [4]
- e) Explain how to read data from an HTTP connection. [4]

PART - B**5 × 8 Marks = 40**

2. Describe about the different types of J2ME profiles. [8]
OR
- 3.a) Describe about the Personal Digital Assistants.
b) Explain how J2ME application is balanced between local and server side processing. [4+4]
4. Write a program to deploy multiple MIDlets in a MIDlet suite. [8]
OR
- 5.a) Explain about the J2ME wireless toolkit.
b) Explain the tips for developing J2ME applications. [4+4]
- 6.a) Explain the steps required to create an Item class.
b) Describe how to create Clipping Region in canvas. [4+4]
OR
7. Write a program to Illustrate the technique for throwing a MIDlet State Change Exception from within the destroyApp() method. [8]
- 8.a) Explain about the JDBC driver types.
b) Write a program to find the sum of values in a column. [4+4]
OR
9. Write a program to sort a single data type record in a Record Enumeration. [8]
- 10.a) Explain the steps required to transmit a background process.
b) Briefly explain communication management using HTTP commands. [4+4]
OR
11. Explain in detail about session management. [8]