

13-1223

Code No: 117FM

R13**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech IV Year I Semester Examinations, November/December - 2016****MOBILE APPLICATION DEVELOPMENT
(Information Technology)****Time: 3 Hours****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**(25 Marks)**

- 1.a) What is setup box? [2]
- b) Write about J2ME configuration. [3]
- c) What is JAR and JAD files? [2]
- d) List the layers of J2ME architecture. [3]
- e) Describe form class. [2]
- f) Create an interactive Gauge. [3]
- g) List out JDBC Driver types. [2]
- h) Write the steps to establish database connection in JDBC. [3]
- i) List out different protocols to perform communication. [2]
- j) Explain about Socket Connection. [3]

PART-B**(50 Marks)**

- 2.a) Discuss about multi tier web services and write the role of J2ME in multi tier web service.
- b) Discuss about personal digital assistances. [5+5]
3. Describe mobile radio networks detail. [10]

OR

4. What is Midlet Suite and explain the life cycle of Midlet in detail. [10]

OR

5. Develop Midlet application to create and manipulate an instance of String Item object. [10]

6. Explain Item class in detail with an example application. [10]

OR

7. Develop J2ME application to draw an arc and paint on Canvas. [10]

8. Explain record listener interface in detail with an example program. [10]

OR

9. Write a Java program to insert and delete rows using result set. [10]

- 10.a) Explain the procedure to establish HTTP Connection to communicate with server.

- b) Write the code segment and JAD file to read the data from the web server. [5+5]

OR

11. Explain URL rewriting and HTTP session techniques in detail with an example. [10]