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]
OR
3.   Describe mobile radio networks detail.   [10]

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 wit 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]

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