R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, November/December - 2017
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)	Explain about Cellular Digital Packet Data.	[2]
b)	Discuss about Personal Digital Assistants.	[3]
c)	Discuss about Event Handling.	[2]
d)	Write a short note on MIDLet programming.	[3]
e)	Mention about Screen Class.	[2]
f)	Explain about Exception Handling.	[3]
g)	How do you create and execute a SQL Query.	[2]
h)	Explain the process of connecting to a Database.	[3]
i)	What is a socket?	[2]
j)	How do you create a HTTP connection?	[3]

PART - B

(50 Marks)

2.a)	Discuss about wireless technology.	
b)	Explain microwave technology.	[5+5]

OR

3.a)	Explain the inside of J2ME.	
b)	Compare and contrast between J2ME and J2SE.	[5+5]

4.	Discuss about J2ME best practices.	[10]

OR

5.a)	How a MIDLet program works with Internet ? Explain.	
b)	Outline J2ME wireless Tool Kit, building and running a project using the Wireless Tool Kit.	[5+5]

6.a)	Illustrate throwing a MIDLet State Change exception with an example program.	
b)	Write a program to demonstrate alert Dialog box.	[5+5]

OR

7.a)	Discuss about detecting and processing key codes.	
b)	Discuss about detecting and processing pointer events.	[5+5]

8.a)	Explain about transaction processing.	
b)	Explain about different types of JOIN's with suitable examples.	[5+5]

OR

9.a) Explain Callable statement.
  b) Discuss about scrollable result set with an example program. [5+5]

10.a) Write a program to read and write to a socket.
   b) Explain communication management using HTTP commands. [5+5]
OR
11. How do you communicate with server using HTTP connection? Explain with suitable example program. [10]

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