Code No: 127FM **R15**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, May/June - 2019
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 are the features of J2ME?	[2]
b)	Explain J2ME configurations.	[3]
c)	What are the objectives of MIDlet programming?	[2]
d)	What are the requirements for small computing device?	[3]
e)	What is screen class?	[2]
f)	What are the steps required to create an instance of an Image Item class?	[3]
g)	What is a JDBC driver?	[2]
h)	Explain Embedded SQL.	[3]
i)	What is a socket?	[2]
j)	Explain the need of cookies.	[3]

PART-B

(50 Marks)

2.a)	Explain the evolution of J2ME.	
b)	Briefly discuss the concept of wireless technology and microwave technology.	[5+5]
	OR	
3.a)	Explain radio data networks.	
b)	Explain about the personal digital assistants.	[5+5]
4.	In detail explain J2ME Architecture with a neat diagram.	[10]
	OR	
5.a)	Explain some of the J2ME best practices.	
b)	Explain the anatomy of a MIDlet suite.	[5+5]
6.	Write a MIDlet for selecting an option from a Choice Group object.	[10]
	OR	
7.a)	Give a brief note on Animations.	
b)	Write a MIDlet program for drawing a rectangle on canvas.	[5+5]

8.a) Write a MIDlet for writing and reading records from a record store.
b) Explain sorting mixed data type records in a record enumeration. [5+5]

OR

9.a) Explain the concept of JDBC ? Explain the JDBC driver types.
b) Write a J2ME program to illustrate grouping and ordering of data. [5+5]

10.a) Explain session management with an example.
b) Write a J2ME program to writing to a file. [5+5]

OR

11.a) Explain the different types of HTTP Request methods.
b) Explain the steps required to write to and read from a socket connection. [5+5]

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