Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E –IIst SEMESTER–EXAMINATION – JULY- 2012

Subject code: 725301 **Date: 06/07/2012**

Subject Name: Wireless Programming & Application Development

Time: 10:30 am – 13:00 pm **Total Marks: 70**

Instructions:

1. **Attempt question 1, which is compulsory and answer any five from the rest questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q. No. 1 [2 Marks X 10 = 20 Marks]

a. What is WAP and how is it used??
b. What is WML?
c. What is WTP?
d. Explain in brief what is WAE?
e. MIDP is a screen based environment how and why explain briefly?
f. What is WSP?
g. Does the MIDlet API support the foreach loop of java why?
h. How many ways can you print a string in MIDP?
i. Can you call a destructor of MIDP?
j. How do you differentiate between the exclusive and inclusive lists?

Q. No. 2

a. How can MIDlets be integrated with other java applications give an example of the same? [6Marks]
b. What is the architecture of MIDP classes illustrate with a simple diagram? [4 Marks]

Q. No. 3

a. How do you add the following things to the screen?
   -Textbox
   -Alert
   -Canvas
   Show with code examples. [6Marks]
b. What is JDBC, can it be used in J2ME if not what are the other ways to access data from databases? [4 Marks]

Q. No. 4

a. How to call two different canvases through threads show a sample program? [5Marks]
b. Explain in detail the various stages of MIDlet life cycle? [5 Marks]

Q. No. 5

a. How do you use vector class in MIDLets? [5 Marks]
b. Visual MIDLets are RAD application tools for which type of applications? [5 Mark]

Q. No. 6

Explain in detail the various parts of CDC and draw a diagram to illustrate the various aspects of the CDC? [10 Marks]

Q. No. 7

Draw and explain the various types of microedition architectures and how do they differ? [10 Marks]

Q. No. 8

There are lot of similarities between the applets and midlets explain the similarities and differences? [10 Marks]

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