

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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