

**GUJARAT TECHNOLOGICAL UNIVERSITY****M. E. - SEMESTER – II • EXAMINATION – WINTER 2012****Subject code: 725301****Date: 29/12/2012****Subject Name: Wireless Programming and Application Development****Time: 10.30 am – 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What is J2ME? Discuss J2ME architecture. **07**  
(b) What is MIDlet? Explain MIDlet life cycle. **07**
- Q.2** (a) What is MIDP? Explain MIDP event architecture in detail. **07**  
(b) What is CLDC? Give classification of CLDC target devices. **07**
- OR**
- (b) Briefly explain CLDC Streams Model. **07**
- Q.3** (a) What is a profile? How are configurations and profiles defined? **07**  
(b) Briefly explain CLDC generic connection framework. **07**
- OR**
- Q.3** (a) List the tool used for wireless programming. Briefly discuss MIDlet development process. **07**  
(b) Demonstrate how to write network application to retrieve information across the network using HTTP protocol. **07**
- Q.4** (a) Develop a MIDlet to provide online help on interacting with application. **07**  
(b) Discuss high-level event handling in MIDP. **07**
- OR**
- Q.4** (a) Develop a MIDlet to explain the use of Item class and its events. **07**  
(b) Discuss low-level event handling in MIDP. **07**
- Q.5** (a) What is WML? Explain the structure of WML document. **07**  
(b) What is WAP? Why it is required? Compare WAP with Web. **07**
- OR**
- Q.5** (a) What are the differences between WML script and Java script? Write WML Script to validate age. **07**  
(b) What is XML? What is the difference between XML and HTML? Briefly explain the structure of XML document. **07**

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