



**DHARMSINH DESAI UNIVERSITY, NADIAD**  
**FACULTY OF TECHNOLOGY**

**B.TECH. SEMESTER VI [CE / IT]**

**SUBJECT: (CT-616) SOFTWARE ENGINEERING**

<b>Examination</b>	<b>: First Sessional</b>	<b>Seat No.</b>	<b>: _____</b>
<b>Date</b>	<b>: 30/07/2012</b>	<b>Day</b>	<b>: Tuesday</b>
<b>Time</b>	<b>: 11:30 To 12:45</b>	<b>Max. Marks</b>	<b>: 36</b>

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**INSTRUCTIONS:**

1. Figures to the right indicate maximum marks for that question.
  2. The symbols used carry their usual meanings.
  3. Assume suitable data, if required & mention them clearly.
  4. Draw neat sketches wherever necessary.
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**Q.1 Do as directed.**

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|---|-----|
| (a) Define Abstraction and Composition with example.            | [2] |
| (b) Describe four characteristics of bad SRS document.          | [2] |
| (c) Make a black box testing for E-Mail verification function.  | [2] |
| (d) Give difference between program and product.                | [2] |
| (e) "Spiral Model is a Meta data model". Justify the statement. | [2] |
| (f) Compare Command base and GUI base interface techniques.     | [2] |

**Q.2 Attempt *Any Two* from the following questions.** [12]

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|--|-----|
| (a) Explain Prototype Data Model and provide suitable system where it can be applicable. | [6] |
| (b) Explain different types of Performance testing.                                      | [6] |
| (c) Explain different quality measurement factors.                                       | [6] |

- Q.3**
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|---|-----|
| (a) Design SRS document for Stock management system.      | [6] |
| (b) Design Data Flow Diagram for Stock management system. | [6] |

**OR**

- Q.3**
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|---|-----|
| (a) Design State Chart for Library management system.   | [6] |
| (b) Design Class Diagram for Library management system. | [6] |