

Seat No.: _____

Enrolment No. _____

G H Patel College of Engineering & Technology – Vallabh Vidyanagar

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEM-VI mid Semester Examination

Subject code: 160701

Subject Name: Software Engineering

Date: 10/03/2012

Time: 02.00 pm – 03.15 pm

Total Marks: 30

Instructions:

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

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|----|---|----|
| 1 | (A) Explain the characteristics of software in detail. | 03 |
| | (B) Explain the characteristics of a good SRS. | 03 |
| 2 | (A) Explain Spiral Software Process model in detail. | 04 |
| | (B) Explain Following Terms: (1) Cohesion (2) Coupling (3) Fan in (4) Functional Independence | 04 |
| OR | | |
| 2 | (A) Explain Rapid Action Development (RAD) Software Process model in detail. | 04 |
| | (B) Draw a DFD up to level 02 for "library Management System" | 04 |
| 3 | (A) List and discuss the golden rules for User Interface Design | 04 |
| | (B) Explain Cardinality & Modality with example. | 04 |
| OR | | |
| 3 | (A) Draw a Use Case Diagram for "Bank ATM System". Explain any two use cases from it in detail. | 04 |
| | (B) Draw a class diagram for "Air line Reservation system" | 04 |
| 4 | (A) Explain the concept of Data Dictionary using an appropriate example. | 04 |
| | (B) Enlist the tasks of Requirement Engineering. Explain any three of them. | 04 |
| OR | | |
| 4 | (A) Explain Control Flow Model with an example | 04 |
| | (B) Describe Requirement validation in detail | 04 |