

Enrollment No:

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LDRP INSTITUTE OF TECHNOLOGY AND RESEARCH, GANDHINAGAR.
B.E. SEM - VI (CE) MID SEMESTER EXAM – MARCH '15

Date : 02/03/2015

Time : 12:00 p.m. to 01:30 p.m.

Day : Monday

Subject : Software Engineering

Subject Code : CE - 603

Marks : 30

Instructions:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw figures and give example where necessary

- Que 1:** (A) What is Software? List out the important characteristics of Software. [5]
(B) Answer the following. [5]
- (1) UML is Stands for
(a) Uniform Modeling Language (b) Unified Modeling Language
(c) Unit Modeling Language (d) Universal Modeling Language
- (2) If user participation is available which model is to be chosen?
(a) Spiral Model (b) Waterfall Model
(c) RAD Model (d) Iterative Enhancement Model
- (3) WhatsApp is which type of Software?
(a) Generic Product (b) Customized Software
(c) Generic and Customized Product (d) None of Above
- (4) Software Consists of
(a) Set of Instructions + OS (b) Programs + Hardware Manuals
(c) Set of Programs (d) Programs + Documentation + Operating Procedures
- (5) Which is most important feature of Spiral Model?
(a) Risk Management (b) Quality Management
(c) Performance Management (d) Efficiency Management

Que 2: (A) Explain Requirement Elicitation Techniques for Requirements Gathering [5]

Software is to be developed for hotel management system in which information is provided for all type of activities conducted in hotel. The major users of the system are hotel staff, people who stay in the hotel and people who visit the restaurant. Information for the billing system, hotel account management, staff salary, hotel menu information, hotel room information is provided by software.

(B) Prepare Use Case Diagram for above system. [5]

OR

(B) Draw Data Flow Diagram for above System. [5]

Que 3:

(A) Explain (1) Cohesion (2) Coupling (3) Modularity (4) Pattern (5) Abstraction [5]

(B) Explain Spiral Model with necessary diagram. [5]

OR

(A) Explain (1) Functional and Nonfunctional Requirements [5]
(2) User and System Requirements

(B) Explain Incremental Model.