

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE &
ECONOMICS, PONDA GOA

B.C.A. (SEMESTER IV) EXAMINATION, APRIL 2015
SOFTWARE ENGINEERING

Duration : 2hrs

Marks :50

Instruction :-1. Figure to right indicate full marks

2. All questions are compulsory
3. Write proper assumption for UML diagram
4. Draw proper and neat diagram wherever necessary

Q1.A Select the appropriate option and rewrite the statement (5*1=5)

- i) Select the option that suits the Manifesto for Agile Software Development
 - a) Individuals and interactions
 - b) Working software
 - c) Customer collaboration
 - d) Responding to change
- ii) Spiral model was developed by
 - a) Victor Bisil
 - b) Berry Boehm
 - c) Bev Littlewood
 - d) Roger Pressman
- iii) Which of the following is not a diagram studied in Requirement Analysis ?
 - a) Use Cases
 - b) Entity Relationship Diagram
 - c) State Transition Diagram
 - d) Activity Diagram
- iv) How many diagrams are here in Unified Modelling Language?
 - a) six
 - b) seven
 - c) eight
 - d) nine
- v) Which of the following describes “Is-a-Relationship” ?
 - a) Aggregation
 - b) Inheritance
 - c) Dependency
 - d) None of these

Q1.B Answer the following (5*1)

- i) Define UML
- ii) Differentiate between Extend and Include
- iii) Differentiate between Join and Fork
- iv) Who developed the Use cases
- v) MVC stands for

Q2 Answer the following : (10)

A) Explain Software Quality . (2)

B) Explain System Development Process (3)

X) Draw activity diagram for Flipkart the online Shopping portal (5)

OR

Y) Explain Agile Methodology . (5)

Q3) Answer the following (10)

A) Write the Steps of Software Requirement Specification (SRS) (2)

B) Explain the Fact Finding Technique and Feasibility Study (3)

X) Draw a Sequence Diagram for Social media (Facebook) (5)

OR

Y) Draw a Class Diagram for Shaadi.com (5)

Q4) Answer the Following (10)

A) Explain Project Scheduling (2)

B) Explain the features of UML (3)

X) Draw use case diagram for Library Management (5)

OR

Y) Explain Spiral Model (5)

Q5) Answer the following (10)

A) Differentiate between Aggregation and Composition (2)

B) Explain the deployment and Component Diagram (3)

X) Draw and explain Collaboration Diagram for Restaurant Billing System (5)

OR

Y) Draw and explain State Chart Diagram with an example (5)
