

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND
ECONOMICS, PONDA - GOA
B.C.A. (SEMESTER - IV) SEMESTER EXAMINATION, APRIL 2018
SOFTWARE ENGINEERING

Duration: 2 hrs

Marks: 50

Instruction: a) *All the questions are compulsory.*

b) *Draw diagram with pencil wherever necessary.*

Q1.A) Select the correct option and rewrite the statement.

(5*1=5)

1. The most important features of Spiral Model is _____
 - a. Requirement Analysis
 - b. Risk Management
 - c. Configuration Management
 - d. Quality Management
2. SRS is also known as Specification of _____
 - a. White Box testing
 - b. Stress Testing
 - c. Integrated Testing
 - d. Black Box Testing
3. USE CASE developed by _____
 - a. Barry Boehm
 - b. Ivor Jackson
 - c. James Rumbaugh
 - d. none of the above
4. How many diagrams are there in Unified Modelling Language?
 - a) six
 - b) seven
 - c) eight
 - d) nine
5. 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

Q1.B) Answer the Following:

(5*1=5)

- A) What is feasibility study?
- B) What makes Waterfall Software Development Model fail in many ways?
- C) What does COCOMO stand for?
- D) What are the costs of software engineering?
- E) What is software quality?

Q2) Answer the Following:

(10)

- A. Explain Software and list the advantages and disadvantages of Software. (2)
- B. Explain Motivation and Challenges of Software engineering. (3)
- C. Draw Neat Diagram of Activity Diagram for ATM. (5)

Q3) Answer the Following:

(10)

- A. Define Software Process (2)
- B. Describe Agile Methodology (3)
- C. Draw Neat Diagram of Class Diagram for Social Media (Facebook). (5)

Q4) Answer the Following

(10)

- A. Explain the working of State Chart Diagram (2)
- B. Explain with example deployment Diagram and component (3)
- C. Draw Neat Diagram of Use Case Diagram for Online College admission. (5)

Q5) Answer the Following

(10)

- A. Explain the MVC architecture (2)
- B. Explain Classical Development Life Cycle (3)
- C. Draw Neat Diagram of sequence Diagram For Job Portal (5)