

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND
ECONOMICS, PONDA-GOA
B.C.A. (SEMESTER - IV) EXAMINATION, APRIL 2019
SOFTWARE ENGINEERING

Duration: 2 Hours

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)**
- i. Which model is also called as the classic life cycle or the Waterfall model?
 - a. Linear Sequential model
 - b. Iterative Development
 - c. Rapid Development
 - d. Incremental Development
 - ii. Which of these software engineering activities are not a part of software processes ?
 - a. Software Dependence
 - b. Software Validation
 - c. Software Development
 - d. Software Specification
 - iii. SDLC stands for
 - a. Software Development Life Cycle
 - b. System Development Life cycle
 - c. Software Design Life Cycle
 - d. System Design Life Cycle
 - iv. Who designs and implement database structures.
 - a. Programmers
 - b. Project managers
 - c. technical writers
 - d. Database administrators
 - v. Agile Software Development is based on
 - a. Incremental Development
 - b. Iterative Development
 - c. Linear Development
 - d. Incremental and Iterative Development
- Q1.B) Answer the Following: (5*1=5)**
- a. Define Software Engineering
 - b. Define Feasibility Study
 - c. Define Software Quality
 - d. Define Software
 - e. Define COCOMO
- Q2) Answer the Following: (10)**
- a. Define Software Process (2)
 - b. Explain Motivation and Challenges of Software Engineering. (3)
 - c. Draw a neat Class Diagram employee management System. (5)
- Q3) Answer the Following: (10)**
- a. Write a SRS format. (2)
 - b. Difference between Waterfall and Spiral Model. (3)
 - c. Draw a neat Activity Diagram for Job Portal. (5)
- Q4) Answer the Following: (10)**
- a. Explain State chart Diagram. (2)
 - b. Explain Deployment and Component diagram. (3)
 - c. Draw a neat Use case Diagram for Shadi.com. (5)
- Q5) Answer the Following: (10)**
- a. Explain MVC. (2)
 - b. Explain Agile methodology. (3)
 - c. Draw a neat Sequence Diagram for Shopping Portal . (5)