

**Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE
AND ECONOMICS, PONDA-GOA
B.C.A. (SEMESTER-IV) SUPPLEMENTARY EXAMINATION,
MAY/JUNE 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. SRS Consist of
 - a) Problem statement
 - b) Product design
 - c) Problem statement & Product design
 - d) None of the mentioned
2. Which is true for SRS?
 - a) SRS is the main input of the software product design process
 - b) SRS is the main output to the engineering design process
 - c) SRS is also the main output of the requirements specification activity
 - d) All of the mentioned
3. A class is divided into which of these compartments?
 - a) Name Compartment
 - b) Attribute Compartment
 - c) Operation Compartment
 - d) All of the mentioned
4. Spiral Model Design by
 - a) Barry Boem
 - b) Ivor Jacobson
 - c) James Rambaugh
 - d) None of the above
5. Which of these truly defines Software design ?
 - a) Software design is an activity subjected to constraints
 - b) Software Design specifies nature and composition of software product
 - c) Software Design satisfies client needs and desires
 - d) All of the mentioned

Q1.B) Write the statements are True /False. (5*1=5)

1. If a software production gets behind schedule, one can add more programmers and catch up.
2. The only deliverable work product for a successful project is the working program.
3. Class Diagram is Static in Nature
4. UML Consist of Nine Diagram
5. Agile is Vertical Process

- Q2) Answer the Following:** (10)
- A. Define Software Engineering. (2)
 - B. Explain why agile is better than other Models. (3)
 - C. Draw Neat Diagram of Activity Diagram for matrimonial site. (5)
- Q3) Answer the Following:** (10)
- A. List the format of SRS. (2)
 - B. Explain Characteristic of SRS. (3)
 - C. Draw Neat Diagram of Class Diagram for Ecommerce site. (5)
- Q4) Answer the Following:** (10)
- A. Explain the working of State Chart Diagram for ATM. (2)
 - B. Explain with example component Diagram. (3)
 - C. Draw Neat Diagram of Use Case for Railway Reservation System. (5)
- Q5) Answer the Following:** (10)
- A. Explain the UML. (2)
 - B. Explain Spiral Model. (3)
 - C. Draw Neat Diagram of sequence Diagram For Movie Billing. (5)

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