PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc Semester End Examination, Feb 2022

Semester: 3

Subject: Computer Science

Title: Software Engineering

Duration: 2 hours   Max. Marks: 45
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Instructions:
1. All Questions are compulsory
2. Figures to the right indicate marks
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Q1. Answer the following : [**Any 3**]   [**3 * 3 = 9**]

    a. State any three Customer Myths associated with
       Software Engineering
    b. State any three benefits of Iterative Process Model
    c. Differentiate between Reactive Risk Strategy and
       Proactive Risk Strategy
    d. Describe in brief any three artifacts produced during
       a Requirements Workshop

Q2. Answer the following : [**Any 2**]
    a. Discuss Formal Technical Review.   [**6**]
    b. Explain MVC and Pipe and Filter architectural models in Software. [6]
    c. Discuss in brief the different types of Refactoring   [**6**]

Q3. Answer the following : [**Any 2**]
    a. Explain the need for Testing .   [**6**]
    b. Explain the various stages in the Reverse Engineering
      Process   [**6**]
    c. Explain "Product Documentation".   [**6**]

P.T.O

Q4. Answer the following : [**Any 1**]

   a. Draw an Use Case Diagram for a secure electronic voting system. Make your own assumptions. Assumptions made should be valid.   **[12]**

   b. Draw a Domain Level Class Diagram for a secure electronic voting system. Make your own assumptions. Assumptions made should be valid.   **[12]**

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