PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Winter 2022 - 23 Examination

Semester: 7   **Date: 19-10-2022**
Subject Code: 03105401   **Time: 10:30am to 1pm**
Subject Name: Software Engineering   **Total Marks: 60**

Instructions:
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Objective Type Questions. (All are compulsory) (Each of one mark)   **(15)**
1. What is the Full Form of SDLC?
2. What is the Full Form of SRS?
3. Define Requirements Gathering.
4. Define Software.
5. Waterfall Model is Suitable for Risk Handling in Projects. True or False.
6. Define Security.
7. What is Product Backlog in Scrum?
8. Define Error & Defects.
9. List out any two Coding Standards.
10. What is KLOC?
11. What is SQA?
12. Define Refactoring.
13. What is Software Reuse?
14. What is Daily Standup Meetings?
15. What is Safety Engineering?

Q.2 Answer the following questions. (Attempt any three)   **(15)**
A) Explain Agile Methodology.
B) Explain W5HH Principle.
C) Explain Security in Software Engineering.
D) List out SQA roles.

Q.3 A) Explain Increment Model.   **(07)**
B) Describe COCOMO Model.   **(08)**
<div align="center">**OR**</div>
B) Describe Requirement Engineering Task.   **(08)**
Q.4 A) Difference between Developer and Tester.   **(07)**
<div align="center">**OR**</div>
A) Explain Cyclomatic complexity with example.   **(07)**
B) Explain Data Flow Diagram with example.   **(08)**