

St. Joseph's College of Engineering
Software Engineering
Assignment - IV

Part - A

1. **Define black box testing.**
2. **What is the purpose of regression testing?**
3. **Distinguish between stress and load testing.**
4. **What is boundary condition testing?**
5. **What is integration testing?**
6. **Define error, fault and failure.**
7. **What are the characteristics of a good tester?**
8. **What is "Smoke Testing"?**

Part - B

1. (i) **What is black box testing?**
(ii) **What is Equivalence Class Partitioning? List rules used to define valid and invalid equivalence classes. Explain the technique using examples.**
(iii) **What is Boundary Value Analysis? Explain the technique specifying rules and its usage with the help of an example.**
2. (i) **Explain unit testing in detail.**
(ii) **How testing different from debugging?**
3. **What is white box testing? Explain how basis path testing helps to derive test cases to test every statement of a program.**
4. (i) **Explain in detail about integration testing.**
(ii) **Write about Regression Testing.**