

SNJB's Late Sau. Kantabai Bhavarlaji Jain College of Engineering, Chandwad
Department of Information Technology
 Academic Year : 2018-19 (Semester 1)

Assignment 1

Class: BE

Marks: 15

Subject: STQA

Instructions:

1. Neat diagrams must be drawn where ever necessary
2. Assume suitable data, if necessary
3. Figures within Marks are Full

CO	Blooms Level (1-6)	QN	Questions	Marks	Unit No.
Assignment 1 (Roll No: 1-25)					
1	2	1	Explain the Software testing principles.	5	1
3	6	2	Take any example to explain requirement based testing, design test cases to test system using requirement based testing.	5	2
4	3	3	Explain Taguchi quality loss function?	5	3
Assignment 1 (Roll No: 25 onwards)					
1	2	1	Explain role of tester in software development organization.	5	1
3	6	2	Give state transition diagram to explain use of state based testing.	5	2
4	3	3	What is Six Sigma life cycle?	5	3

CO	Course Outcome
1	Test the software by applying testing techniques to deliver a product free from bugs.
2	Investigate the scenario and to select the proper testing technique.
3	Explore the test automation concepts and tools and estimation of cost, schedule based on standard metrics.
4	Understand how to detect, classify, prevent and remove defects.
5	Choose appropriate quality assurance models and develop quality.
6	Ability to conduct formal inspections, record and evaluate results of inspections.