B.E. Computer Science & Engineering (Model Curriculum) Semester - VII
BE102CS - Software Testing and Quality Assurance

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Notes : 1. All questions are compulsory.
2. Assume suitable data wherever necessary.
3. Illustrate your answers wherever necessary with the help of neat sketches.

1.	a)	Explain in detail defect classes and defect repository using suitable diagram.	**8**
	b)	List and explain in brief any eight software testing principles.	**8**

OR

2.	a)	Explain TMM model in detail.	**10**
	b)	Explain software Tester's role in software development organization.	**6**
3.	a)	Explain two basic test case design strategies.	**8**
	b)	Explain in detail boundary value analysis strategy.	**8**

OR

4.	a)	Explain equivalence class partitioning strategy method.	**8**
	b)	Explain :	**8**

i)   Smart tester   ii)   Test Adequacy criteria

5.	a)	Explain :	**8**

i)   Test Harness   ii)   Running unit test and recovering results.

	b)	Explain in detail test summary report with suitable diagram.	**8**

OR

6.	a)	Explain the role of three critical groups in testing, planning and test policy development.	**10**
	b)	Explain different levels of testing.	**6**
7.	a)	List and explain tester's and manager's role in supporting test organization.	**8**
	b)	Explain V-model for integrating testing activities.	**8**

OR

8.	a)	Explain various steps in forming test groups.	**8**
	b)	Explain test team hierarchy.	**8**
9.	a)	Explain in detail how test automation helps to address several problems.	**8**
	b)	Explain why selection of test tool is an important aspect of test automation.	**8**

OR

10.	a)	Explain development defect metrics.	**10**
	b)	List and explain different types of metrics with suitable diagram.	**6**

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