

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

P. Pages : 1

Time : Three Hours



GUG/W/22/14232

Max. Marks : 80

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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) List and explain any eight software testing principles. 8
b) Explain tester's role in software development organization. 8

OR

2. a) Explain role of process in software quality. 8
b) Explain software testing as an engineering activity. 8
3. a) Explain cause and effect graphing strategy in detail. 8
b) Explain test summary report. 8

OR

4. a) Explain integration testing. 8
b) Differentiate between black box and white box testing strategies. 8
5. a) Explain three phases in Unit test planning. 8
b) Explain different levels of testing. 8

OR

6. a) Explain integration strategy for functions and procedures. 8
b) Explain system testing using several types of system test. 8
7. a) Explain structure of test groups using hierarchy diagram. 8
b) Explain levels in testers career path. 8

OR

8. a) Explain importance of technical training program. 8
b) Explain V-model for testing activities integration. 8
9. a) Explain components of test Automation. 8
b) Explain productivity metrics. 8

OR

10. a) Explain three generation of Automation testing. 8
b) Draw and explain frame work for test Automation. 8
