



AR - 0658

B.C.A. Part - III Semester - VI

Software Testing Paper - 6ST4

P. Pages : 3

Time : Three Hours

Max. Marks : 60

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- Notes : 1. Assume suitable data whenever necessary.
2. Illustrate your answers with the help of neat sketches, wherever necessary.

1. a) What is Testing? Explain how testing is useful in producing software. **6**
- b) Discuss the following phases of software project. **6**
- i) Planning
 - ii) Design.
 - iii) Development.

OR

2. a) What is Quality Assurance? How it is useful in quality control? Explain. **6**
- b) Explain software verification and validation in detail. **6**
3. a) What is static testing by humans? List the name of analysis tools. **6**
- b) Explain code coverage testing and code functional testing. **6**

OR

4. a) What are the challenges of white – Box – testing? **6**
- b) Explain requirement based testing in detail. **6**
5. a) Differentiate between functional system testing and nonfunctional system testing. **6**
- b) Explain the following. **6**
- i) System integration.
- ii) Acceptance testing.

OR

6. a) What is a Beta testing? Explain in detail. **6**
- b) Explain interpretability testing. **6**
7. a) Discuss the execution of acceptance test. **6**
- b) What is performance testing? List its advantages. **6**

OR

8. a) List the factors and their purpose for performance testing. **6**
- b) Explain the methodologies of performance testing for analyzing performance test-case. **6**
9. a) What is a regression testing? Explain in detail. **6**
- b) Explain the classification of test cases. **6**

OR

10. a) Explain the procedure for test planning. **6**
- b) What is test case specification? Explain. **6**
