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| SURESH GYAN VIHAR UNIVERSITY Accredited by NAAC with 'A' Grade | | **INTERNAL ASSIGNMENT - 1** |
| Course | MCA | **Software Testing & Quality Assurance** |
| Semester | 5 | |
| Total Marks: | 15 | |

**Q.1. Write answers for any two questions from below. 5 marks each – Word limit – 500**

**A.** With suitable example explain why complete testing is not possible.

**B.** Explain the model of testing in detail. Also render software testing life cycle model. Justify whether complete testing is possible or not.

**C.** Write short note on: a.CMM Model b.Mc Calls Factors c.SEI-CMM

**Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)**

**A.** A model for software testing

**B.** Object oriented software testing

**C.** Effective and Exhaustive software testing

**D.** Product Quality Metrics

**E.** The Psychology for Software Testing

| | | INTERNAL ASSIGNMENT - 2 |
|---|---|---|
| **SURESH GYAN VIHAR UNIVERSITY** Accredited by NAAC with 'A' Grade | | |
| Course | MCA | **Software Testing & Quality Assurance** |
| Semester | 5 | |
| Total Marks: | 15 | |

**Q.1.   Write answers for any two questions from below. (5 marks each – Word limit – 500)**

**A.**     What is STLC? Discuss various steps involved in STLC with neat sketch.

**B.**     Illustrate on Boundary Value Analysis and Equivalence class Testing techniques.

**C.**     List various types of testing tools with examples.

**Q.2.   Write short notes on all of the following topics (1 mark each - Word limit - 100)**

**A.**     The issues in Object-Oriented testing

**B.**     Any two regression testing types.

**C.**     An example for loop testing

**D.**     Load and Stress testing

**E.**     Structural Testing at Module level v/s System level