# III YEAR BCA

## Advance software Testing Methdology(ASTM)

| UNIT NUMBER | WEIGHT | UNIT WISE MARKS WEIGHT | |
|---|---|---|---|
| | | 10 MARKS(ESSAYS) | 5 MARKS(SHORTS) |
| UNIT-I | 20 | 1 | 2 |
| UNIT-II | 15 | 1 | 1 |
| UNIT-III | 20 | 1 | 2 |
| UNIT-IV | 20 | 1 | 2 |
| UNIT-V | 15 | 1 | 1 |

### Unit1 10MARKS

1. Explain about testing in the software life cycle.
2. explain about product paradigms?
3. Explain about product metrics and measurements.

### 5MARKS

1. Explain different phases of software testing life cycle.
2. Explain the blueprint of product paradigm.
3. Explain about different methods to test a program.

### Unit 2. 10MARKS

1. Explain about testing process.
2. explain about testing planning.
3. explain about testing controlling.
4. explain about testing analysis and design.

### 5MARKS

1. Explain about test implementation.
2. Explain about test execution process.
3. Explain evaluating exit criteria and reporting .
4. Explain about test closure.

### Unit 3.10MARKS

1. Explain about business values of testing
.2. explain about test management documentation.
3. Explain test progress monitoring and controlling.

### 5MARKS

1. Explain test estimation.
2. Explain about testing and risks.

Unit 4.10MARKS
1. Explain about specifications based techniques.
2. Explain about structure based testing.
3.explain about defect based techniques.
4. Explain about experience based testing.
5MARKS.
1. Explain about test techniques?
2. Explain about static analysis
3.explain about dynamic analysis
4. Explain about choosing testing techniques

Unit 5 10 MARKS
1 explain about testing of software characteristics.
2. Explain about quality attributes for testing analysis.
3. Explain about quality attributes for technical test analysis.
5MARKS
1.Explain properties of software testing?
2. Explain about software testing attributes?
3. Explain about software testing analysis.