

# Half Yearly Examination 2020-21

## B.C.A. III Year

### Software Engineering

BCA - 304

Time: 3 Hours

Max. Marks = 100

Min. Marks = 40

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**Note:-** Attempt any two questions from each unit . Each question carries equal marks.

#### UNIT-I

1. Write a note on software engineering problems.
2. Discuss the concept of software development life cycle.
3. Write a note on spiral model.

#### UNIT-II

1. Write a note on need of project management.
2. Discuss the concept of phase management process.
3. Explain function oriented metrics in brief.

#### UNIT-III

1. Write a note on need of SRS with its introduction.
2. Discuss the concept of data flow diagram.
3. Write a note on data dictionary.

#### UNIT-IV

1. Write a note on top-down & bottom-up strategies of software development.
2. Discuss the concept of cohesion & coupling.
3. Write the rules of good programming style and explain code verification.

#### UNIT-V

1. Write a note on need of testing along with concept of error, fault and failure.
2. Discuss white box and black box testing in brief.
3. Write a note on unit, integration and acceptance testing strategies.