



PRESIDENCY UNIVERSITY,
BENGALURU

SCHOOL OF ENGINEERING

TEST 2

Odd Semester: 2018-19

Course Code: CSE 314

Course Name: Software Architecture

Branch & Sem: CSE (Discipline Elective) & VII Sem Group - I

Date: 28 November 2018

Time: 1 Hour

Max Marks: 40

Weightage: 20%

Instructions:

- 1) Read the question properly and answer accordingly.
- 2) Question paper consists of 2 parts

Part A

Answer **all** the Questions. **Each** question carries **six** marks. (4x6=24)

1. With diagram, explain Quality attribute scenario depicting all the parts in it.
2. Explain a sample security scenario by mentioning the possible values.
3. Discuss any five architectural qualities.
4. Illustrate three widely used tactics for recognizing faults.

Part B

Answer **all** the Questions. **Each** question carries **eight** marks. (2x8=16)

1. Discuss Architecture Tradeoff Analysis Method (ATAM) by explaining the phases in detail
2. With neat diagram, explain the following modifiability scenario.

"A developer wishes to change the user interface. This change will be made to the code at design time, it will take less than three hours to make and test the change, and no side-effect changes will occur in the behavior."



Roll No.

**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF ENGINEERING

END TERM FINAL EXAMINATION

Odd Semester: 2018-19

Course Code: CSE 314

Course Name: Software Architecture

Programme & Sem: CSE & VII Sem (Discipline Elective)

Date: 28 December 2018

Time: 2 Hours

Max Marks: 40

Weightage: 40%

Instructions:

- (i) **Answer all the questions.**

Part A

Answer the Question. Question carries **five** marks.

(1Qx5M=05)

1. With the help of neat diagram, explain Testability tactics

Part B

Answer **both** the Questions. **Each** question carries **seven** marks.

(2Qx7M=14)

2. Define pattern and describe the characteristics of pattern in general.
3. Explain Blackboard pattern in detail.

Part C

Answer **all** the Questions. **Each** question carries **seven** marks.

(3Qx7M=21)

4. Discuss **Model-View-Controller** (MVC) pattern along with its components.
5. Explain Microkernel pattern of adaptable systems by listing the benefits and concerns of microkernel pattern.
6. With suitable example, illustrate the use of **IDIOM** pattern.