

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF INFORMATION SCIENCE
MID TERM EXAMINATION - APR 2023**

Semester : Semester II - 2022

Course Code : CSA2006

Course Name : Sem II - CSA2006 - Fundamentals of Software Engineering

Program : BCA

Date : 12-APR-2023

Time : 2PM - 3.30PM

Max Marks : 50

Weightage : 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.*
- (ii) Question paper consists of 3 parts.*
- (iii) Scientific and non-programmable calculator are permitted.*
- (iv) Do not write any information on the question paper other than Roll Number.*

PART A

ANSWER ALL THE QUESTIONS

(5 X 2 = 10M)

1. State the steps in essence of Software Engineering practice
(CO1) [Knowledge]
2. List the phases in Unified processing model.
(CO1) [Knowledge]
3. list any two challenges involved in agile software development?
(CO1) [Knowledge]
4. List the goal for collaborative requirement gathering for eliciting requirement
(CO2) [Knowledge]
5. List out the symbols in an Activity Diagram
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(4 X 5 = 20M)

6. Explain the Management myths types in detail.
(CO1) [Comprehension]
7. Discuss the principles of Agile process models
(CO1) [Comprehension]

8. Explain about Requirement Engineering with example?

(CO2) [Comprehension]

9. Discuss about Design Characteristics in detail.

(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

10. The transport department of Presidency University wants a bus tracking software where the students can track the bus location using a mobile application. Help the software development team to choose a software process model and explain how it will be helpful in the effective software development process.

(CO1) [Application]

11. Construct the usecase diagram for bank account creation and explain about all the actors involved in bank account creation.

(CO2) [Application]