PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF INFORMATION SCIENCE
MID TERM EXAMINATION - OCT 2023

Semester : Semester I - 2023
Course Code : CSA4003
Course Name : Sem I - CSA4003 - Software Engineering
Program : MCA

Date : 30-OCT-2023
Time : 11:30AM - 1:00PM
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. What are the various software engineering, and please provide an example for each?

(CO1) [Knowledge]

2. Name any four elements of the Evolution Process and Activities come to mind?

(CO1) [Knowledge]

3. What is waterflow model?

(CO1) [Knowledge]

4. What Makes a Software Requirements Document?

(CO1) [Knowledge]

5. Why Requirements Management Is Vital

(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS   (4 X 5 = 20M)

6. What part do the process and the product play?

(CO1) [Comprehension]

7. What specifications are used in the work of requirements engineers? Name the Components of a Requirements Specification?

(CO1) [Comprehension]

8. Describe the significance of the software requirements document and include the fundamental specifications in it.

(CO2) [Comprehension]

9. What makes both functional and non-functional requirements crucial to software engineering?

(CO1) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION **(1 X 20 = 20M)**

10. Explain the need for models of the software development lifecycle (SDLC). Write an Agile model using an e-commerce application as an example.

(CO2) [Application]