

Roll No																			
---------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



**PRESIDENCY UNIVERSITY
BENGALURU**

SET B

**SCHOOL OF ENGINEERING
MID TERM EXAMINATION - DEC 2023**

Semester : Semester III - 2022

Course Code : CSE2014

Course Name : Sem III - CSE2014 - Software Engineering

Program : B. TECH

Date : 11-DEC-2023

Time : 2:30 PM - 4:00 PM

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. List out the two Characteristics of software. (CO1) [Knowledge]
2. Write the drawbacks of classical waterfall model. (CO1) [Knowledge]
3. 1. List out the core principles of SDLC (CO1) [Knowledge]
4. What is boundary value analysis? Explain with an example. (CO2) [Knowledge]
5. List out the requirements gathering activities (CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(4 X 5 = 20M)

6. A company wants a software to be developed for the new food court which will be opening shortly. The requirements for the same are subject to change as per the appearance and operation of the demo version of the final outcome. Choose the most appropriate evolutionary model and explain. (CO1) [Comprehension]
7. Your client has requested a system for managing their inventory, and they need it delivered quickly. Explain how you would apply the principles of RAD to meet this requirement. (CO1) [Comprehension]

8. Consider an online food ordering system like Zomato and Swiggy. List out 10 requirements for the same and categorize all the requirements into functional and non functional. (CO2) [Comprehension]
9. Online Railway ticket reservation is very useful nowadays. This is very important to design a good-working system software for ticket booking and related transactions. Regarding this list out all required functional and non- functional requirements. (CO2) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

10. Jindal motors limited wanted to track their sales division. GM from Jindal approached you to develop a software tracking for their point of sales. What are all the stages involved in Software development lifecycle model if you select waterfall model to continue. Elaborate each stages with neat sketches. Justify your selection. (CO1,CO2) [Application]