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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date 10-10-2025

Time: 09.30am to 11.00am

School: SOIS	Program: BCA/BCA-AIML/BCA-DS	
Course Code : CSA1202	Course Name: Software Engineering	
Semester: III	Max Marks: 50	Weightage: 25%

CO - Levels	CO1	CO2	CO3	CO4	CO5
Marks	26	24			

Instructions:

- (i) *Read all questions carefully and answer accordingly.*
- (ii) *Do not write anything on the question paper other than roll number.*

Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	Explain any two software engineering myths.	2 Marks	L2	CO1
2	Explain two potential risk associated with Waterfall Model.	2 Marks	L2	CO1
3	Discuss user story in Agile Development.	2 Marks	L2	CO1
4	List the symbols used in constructing activity diagram.	2 Marks	L1	CO2
5	Elaborate why “Software doesn’t wear out! It does deteriorate only”.	2 Marks	L2	CO2

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Discuss different phases of the RAD model along with its advantages and disadvantages.	10 Marks	L2	CO1
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Or

7.	a.	Compare Waterfall, RAD and Iterative Waterfall lifecycle models based on their distinguished features, strengths and weakness.	10 Marks	L2	CO1
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8.	a.	<p>A university is building a student information system. They plan to first release modules for student registration and grading, followed by attendance tracking, fee management, and finally alumni services.</p> <ol style="list-style-type: none"> 1. Which software process model best suits this approach? 2. Explain how this model supports phased development. 	10 Marks	L3	CO1
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Or

9.	a.	Consider that you are managing a large-scale government project that involves high uncertainty, potential risks, and requires prototypes at every stage. The client also demands frequent reviews and refinements. Which SDLC model would you recommend, and why?	10 Marks	L3	CO1
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10.	a.	Explain the process of eliciting requirements in Requirements Engineering. Differentiate between functional and non-functional requirements with examples.	10 Marks	L2	CO2
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Or

11.	a.	Discuss Computer Aided Software Environment (CASE) in detail.	10 Marks	L2	CO2
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12.	a.	<p>Consider an online banking system. Customers can check account balances, transfer funds, and pay bills. Bank employees can approve loans and manage customer accounts. The system administrator can generate reports and manage user access.</p> <ol style="list-style-type: none"> 1. Draw a use case diagram for the online banking system. 2. Identify two actors and their key use cases. 	10 Marks	L3	CO2
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Or

13.	a.	As a project manager, create a Software Requirements Specification (SRS) document for a school management system. The system should manage student records, attendance, class schedules, fee payment, and library management.	10 Marks	L3	CO2
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