



# PRESIDENCY UNIVERSITY

BENGALURU

Roll No.														
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## Mid - Term Examinations – October 2025

Date 10-10-2025

Time: 09.30am to 11.00am

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

CO - Levels	C01	C02	C03	C04	C05
<b>Marks</b>	<b>26</b>	<b>24</b>			

### 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
Or					
7.	a.	Compare Waterfall, RAD and Iterative Waterfall lifecycle models based on their distinguished features, strengths and weakness.	10 Marks	L2	CO1

8.	a.	<p><b>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.</b></p> <ol style="list-style-type: none"> <li>1. Which software process model best suits this approach?</li> <li>2. Explain how this model supports phased development.</li> </ol>	10 Marks	L3	CO1
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**Or**

9.	a.	<p>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?</p>	10 Marks	L3	CO1
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**Or**

10.	a.	<p><b>Explain the process of eliciting requirements in Requirements Engineering. Differentiate between functional and non-functional requirements with examples.</b></p>	10 Marks	L2	CO2
11.	a.	<p>Discuss Computer Aided Software Environment (CASE) in detail.</p>	10 Marks	L2	CO2

**Or**

12.	a.	<p><b>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.</b></p> <ol style="list-style-type: none"> <li>1. Draw a use case diagram for the online banking system.</li> <li>2. Identify two actors and their key use cases.</li> </ol>	10 Marks	L3	CO2
13.	a.	<p>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.</p>	10 Marks	L3	CO2