



	InSem Examination-II Summer 2024		
	Exam Seat No.:		
	Academic Year: 2023-2024	Semester: IV	
	Name of Programme: S.Y. B.Tech (Computer Engineering, AI&DS, CSD)	Pattern: 2022	
	Name of Course: Software Engineering and Project Management	Course Code: COM222015	
	Max. Marks: 30	Duration: 1 Hr	
	<b>Instructions:</b> Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.  1. This question paper contains two pages. 2. Answer to each new question is to be started on a new page. 3. Assume suitable data wherever required but justify it. 4. Draw the neat, labelled diagrams, wherever necessary. 5. The last columns indicate the Course Outcome		

**Question No. 1 Attempt following Question.**

- a) Define Software Engineering. List the characteristics of Software Engineering. (5) CO1

**OR**

- b) Describe Software Engineering layers. (5) CO1

- c) Explain Waterfall Model with a neat diagram and state its advantages and disadvantages. (5) CO1

**OR**

- d) Explain Spiral Model with a neat diagram and state its applications. (5) CO1

- e) Define Agility. Explain Scrum agile process model. (5) CO1

**OR**

- f) What is extreme programming (XP) in agile? List and explain XP values. (5) CO1

**Question No. 2 Attempt following Question.**

- a) Illustrate the inception, elicitation and elaboration tasks carried out in requirement engineering. (5) CO2

**OR**

- b) Why do we say that the requirements model represents a snapshot of a system in time? (5) CO2

- c) Draw a use case diagram for bank ATM system. (5) CO2

**OR**

- d) Explain the following terms. (5) CO2
1. Software quality guidelines
  2. Software quality attributes

- e) List the design concepts. Explain Refinement and Refactoring. (5) CO2

**OR**

- f) Explain design within the context of software Engineering. (5) CO2

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