



| InSem Examination-II Summer 2024 | | |
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| 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 | |

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| <p>Instructions: 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.</p> <ol style="list-style-type: none">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 |
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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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