

**II B. Tech I Semester Supplementary Examinations, July - 2022**  
**SOFTWARE ENGINEERING**  
(Computer Science & Engineering)

Time: 3 hours

Max. Marks: 70

Answer any **FIVE** Questions each Question from each unit  
All Questions carry **Equal** Marks

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- 1 a) What are software application domains? Explain with software process model. [7M]  
b) What are phases of the unified process? Explain the personal and team models. [7M]  
Or
- 2 a) Write general principles of software engineering and practice. [7M]  
b) Describe incremental process models. How to incorporate improvements to it. [7M]
- 3 a) Discuss about collaborative requirements gathering. [7M]  
b) What are principles that guide practice? Explain the software engineering knowledge principles. [7M]  
Or
- 4 a) Explain about agile modeling and agile unified process. [7M]  
b) Describe quality function deployment and usage scenarios. [7M]
- 5 a) Discuss about swimlane concept with suitable example. [7M]  
b) Explain requirements modeling input and output in detail. [7M]  
Or
- 6 a) How to identify events with the use case? Explain with example. [7M]  
b) Explain about identifying analysis classes in detail. [7M]
- 7 a) Write a brief taxonomy of architectural styles and architecture design. [7M]  
b) Describe object-oriented view and class oriented of a component. [7M]  
Or
- 8 a) What is architecture? Why is architecture important? Write about architectural mapping using dataflow. [7M]  
b) Explain in detail about Program Design Language. [7M]
- 9 a) Describe interface design workflow for WebApps. [7M]  
b) Give a generic example of statistical SQA. [7M]  
Or
- 10 a) Explain about flow graph notation with example. [7M]  
b) Discuss about integration testing and system testing. [7M]

