

Hall Ticket Number:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Code No. : 31504 S

**VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD**  
**B.E. (I.T.) III Year I-Semester Supplementary Examinations, May/June-2017**

**Software Engineering**

Time: 3 hours

Max. Marks: 70

*Note: Answer ALL questions in Part-A and any FIVE from Part-B*

**Part-A (10 × 2 = 20 Marks)**

1. What is meant by process assessment?
2. Write any two drawbacks of spiral model.
3. List out the software design concepts.
4. What is the significance of behavioral modeling?
5. State the software architecture.
6. What are the Golden rules in user interface design?
7. Discuss the need for testing the software.
8. What are the SQA tasks?
9. Write a brief note on metrics for testing.
10. What is meant by reactive risk management?

**Part-B (5 × 10 = 50 Marks)**

11. a) Explain the prototyping process model with neat diagram. [5]  
b) Describe Scrum Agile process models with neat diagram. [5]
12. a) Discuss about class-oriented modeling. [5]  
b) Why the software design phase is crucial for quality of developed software? [5]
13. a) Discuss about traditional components. [4]  
b) Explain different architectural styles present in the software design. [6]
14. a) Explain the white box testing techniques in detail. [5]  
b) Discuss about SQA goals and metrics. [5]
15. a) Explain a framework for product metrics. [5]  
b) Explain about risk identification process with an example. [5]
16. a) Explain the specialized process models. [6]  
b) Distinguish between functional and non-functional requirements. [4]
17. Write short notes on any *two* of the following:  
a) Object constraint language. [5]  
b) Basis path testing. [5]  
c) Metrics for maintenance. [5]

\*\*\*\*\*