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Code No. : 32006

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
B.E. (CBCS) II-Semester Main Examinations, June/July-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. Define Software Cost.
2. Describe Software Quality.
3. Identify various issues, which must be addressed by SRS.
4. What is Modularity?
5. Define object and object class.
6. What is risk management?
7. What is Unit-testing?
8. Differentiate Error and Failure.
9. Define process pattern.
10. Define Reverse Engineering.

Part-B (5 × 10 = 50 Marks)

11. a) Describe process model? Explain incremental process model. [6]
b) Identify various limitations of a Waterfall process model. [4]
12. a) Identify the role of a Software Architecture. [5]
b) Explain different requirements validation techniques. [5]
13. a) What is Design? Explain principles of Design. [6]
b) How can a risk be identified and how to project the same? [4]
14. a) Discuss white-box-testing. [5]
b) List various techniques to be considered while generating Black-Box test cases. [5]
15. a) Why software engineering is called a layered technology? [4]
b) Distinguish between restructuring and forward engineering. [6]
16. a) What is meant by software prototyping? [5]
b) What are the common characteristics and differences in different requirement analysis techniques? [5]
17. Answer any *two* of the following:
a) User Interface Design [5]
b) Metrics for design model [5]
c) Software Reengineering. [5]