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Code No.: 145 S

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
M.C.A. I Year II-Semester (Supplementary) Examinations, December - 2016

Software Engineering

Time: 3 hours

Max. Marks: 70

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

Part-A (10 × 2 = 20 Marks)

1. Define Software Lifecycle.
2. Mention some of the drawbacks of RAD model.
3. Write down the functional requirement for a Library management system.
4. Mention some of the process activities of Requirement Elicitation & analysis.
5. What is software metric?
6. Write short notes on project schedule and staffing.
7. What is regression testing?
8. What is Smoke testing?
9. What is a process framework?
10. Why do we reverse engineer a system?

Part-B (5 X 10=50 Marks)
(All bits carry equal marks)

11. a) Explain Project Management Process.
b) Define Software process model. Explain any one of it with a neat diagram.
12. a) What is a Software Architecture and explain the role of Software Architecture?
b) Write short notes on Component and Connector view in software Architecture.
13. a) Write briefly about risk management planning and explain its importance in software development.
b) Give the differences between Functional Oriented and Object Oriented Design approaches.
14. a) Write short notes on incremental code development and list out the advantages of it.
b) Explain in detail about Black box testing.
15. a) What is the need of software reengineering and write briefly about software reengineering?
b) Write briefly about CMMI model.
16. a) Explain the following problem domains: cost, schedule and quality.
b) Explain functional specifications with usecases.
17. Answer any two of the following:
 - a) Write a short note on detailed design
 - b) What are the various testing strategies for conventional software?
 - c) Write briefly about personal and Team process model.
