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Code No.: 235 S

VASAVI COLLEGE OF ENGINEERING (*Autonomous*), HYDERABAD
M.C.A. II Year I-Semester Supplementary Examinations, May-2017

Software Testing

Time: 3 hours

Max. Marks: 70

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

Part-A (10 X 2=20 Marks)

1. What are the levels of testing?
2. Illustrate functional testing with example.
3. Define program graph.
4. Define E.F.Miler's coverage metrics.
5. Define system threat.
6. Define risk-based testing.
7. List the issues in object-oriented testing.
8. Define MM-path for object-oriented software.
9. Define All pairs technique.
10. Enumerate the challenges in automation.

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

11. a) Illustrate retrospective on functional testing with an example.
b) Write about improved equivalence class testing.
12. a) Explain the decision-to-decision code-based testing in detail.
b) Discuss about program slicing tools.
13. a) Write about Nonfunctional system testing.
b) Enumerate the coverage metrics for system testing.
14. a) Discuss about UML-Based system testing in details.
b) Explain the class testing with an example.
15. a) Discuss exploratory testing with suitable example.
b) Explain the systems of systems for model-based testing.
16. a) Explain decision table techniques.
b) Analyze and explain data flow testing with an example.
17. Answer any *two* of the following:
 - a) Write about call Graph-based integration.
 - b) Explain the currency conversion program of GUI testing.
 - c) Discuss test-then-code cycles for test driven development.
