Code No: 115EM

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech III Year I Semester Examinations, February/March - 2016
SOFTWARE ENGINEERING
(Common to CSE, IT)

Time: 3 hours   Max. Marks: 75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit.
Each question carries 10 marks and may have a, b, c as sub questions.

Part- A

(25 Marks)

1.a) Distinguish between software process and project.   [2]
  b) Discuss about changing nature of software.   [3]
  c) What is meant by system requirements?   [2]
  d) Explain about context models.   [3]
  e) Write brief notes on data design.   [2]
  f) Write about interface design evaluation.   [3]
  g) What is meant by debugging?   [2]
  h) What is meant by software measurement?   [3]
  i) What is meant by software reliability?   [2]
  j) Discuss the reactive risk strategy.   [3]

Part- B

(50 Marks)

2. State and explain various software myths.   [10]
                              OR
3. Explain about specialized process models.   [10]

4. Explain clearly about software requirements document.   [10]
                              OR
5. State and explain various aspects in requirements validation process. [10]

6. Discuss about mapping dataflow into software architecture.   [10]
                              OR
7. Explain about conducting component level design.   [10]

8. Discuss about metrics for design model and source code.   [10]
                              OR
9. Explain clearly about metrics for software quality.   [10]

10. Explain about formal technical reviews.   [10]
                              OR
11. Explain about risk projection and risk management.   [10]

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