

Code No: 115EM

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] |

--ooOoo--