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Question Paper Code: 31026

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2015.

Third Semester

Computer Science and Engineering

01UCS306 - SOFTWARE ENGINEERING

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 2 = 20 Marks)

1. Define software engineering.
2. What is software process?
3. List the various requirement engineering processes.
4. Define data dictionary.
5. Explain briefly about information hiding.
6. What are data design elements?
7. Define white box testing.
8. Define regression testing.
9. Explain briefly about risk identification.
10. What is RMMM?

PART - B (5 x 16 = 80 Marks)

11. (a) (i) Explain in detail about waterfall model? (8)
(ii) Explain in detail about evolutionary process model? (8)

Or

(b) (i) Write in detail about LOC estimation. (10)

(ii) Give a briefly note on COCOMO model. (6)

12. (a) Explain how requirement validation is carried out? (16)

Or

(b) Explain in detail about all software requirements. (16)

13. (a) Explain the component level design in detail. (16)

Or

(b) Explain the architectural styles in detail. (16)

14. (a) (i) Explain in detail about system testing. (8)

(ii) Explain in detail about validation testing. (8)

Or

(b) Explain in detail about black box testing. (16)

15. (a) Write in detail about estimation techniques. (16)

Or

(b) Explain in detail about risk management. (16)