

Register Number :

Name of the Candidate :

6 6 2 7

B.Sc. DEGREE EXAMINATION, 2008

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XIX)

340 / 350. SOFTWARE ENGINEERING

(Revised Regulations)

(Common with B.C.A. Revised Regulations)

(Including Lateral Entry)

December]

[Time : 3 Hours

Maximum : 100 Marks

PART – A (8 × 5 = 40)

Answer any EIGHT questions.

All questions carry equal marks.

1. Explain Boehm's spiral model.

Turn over

2. Explain about data dictionary.
3. Explain the design principles in software engineering.
4. How will you measure the quality of software?
5. Explain about the architectural design process.
6. Discuss about black box and white box testing.
7. How will you perform requirement analysis in software engineering?
8. What is meant by layered technology? Discuss about it briefly.
9. What are the differences between the product and the process? Discuss about it briefly.
10. What is meant by maintainability measurement? Explain it.

PART – B (3 × 20 = 60)

Answer any THREE questions.

All questions carry equal marks.

11. Briefly discuss about the analysis modeling with examples. (20)

12. Briefly explain 'structured analysis' and 'data dictionary'. (20)
13. Discuss about COCOMO for project cost estimation. (20)
14. Write short notes on:
 - (a) Modular design. (5)
 - (b) Data design. (5)
 - (c) Procedural Design. (5)
 - (d) Interface design. (5)
15. Write short notes on:
 - (a) Maintenance Cost. (5)
 - (b) Maintainability measurement. (5)
 - (c) Program evolution dynamics. (5)
 - (d) System documentation. (5)