

Register Number :

Name of the Candidate :

5 3 3 6

B.Sc. DEGREE EXAMINATION, 2012

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XIX)

350 / 340. SOFTWARE ENGINEERING

*[Common with B.C.A., Lateral Entry &
Double Degree]*

May]

[Time : 3 Hours

Maximum : 100 Marks

PART - A (8× 5 = 40)

Answer any EIGHT questions.

ALL questions carry equal marks.

1. What is the main criterion for deciding whether (or) not to use the waterfall model in software development project? Explain.

Turn Over

2

2. How do we define software engineering?
Explain.
3. Explain data modelling.
4. Write a short note on data dictionary.
5. List the principles of a software design.
6. What is the benefits of modular design?
Explain.
7. What are the two levels of testing? Explain.
8. Explain architectural design process.
9. What are the types of software maintenance?
Explain.
10. Write a short note on program evolution
dynamics.

PART - B (3 × 20 = 60)

Answer any THREE questions.

ALL questions carry equal marks.

11. Explain in detail the software process. (20)
12. Discuss functional modelling. (20)
13. Explain the design principles in detail. (20)

3

14. Explain the software testing strategies. (20)
15. Write short short notes on:
 - (a) System documentation. (6)
 - (b) Procedural design. (6)
 - (c) Maintainability measurement. (8)