

Register Number :

Name of the Candidate :

5 2 8 9

B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XIX)

350 / 340. SOFTWARE ENGINEERING

(Revised Regulations)

*(Common with B.C.A. Revised Regulations
& Double Degree)*

(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. Enumerate the characteristics of software.

Turn Over

2. Write a note on the project metrics.
3. What is software project planning ?
4. Explain the role of software design in ensuring software quality.
5. List the different elements of analysis model.
6. Write a note on loop testing.
7. Explain the architectural design process.
8. Explain the use of test case in software testing.
9. List the guidelines to be followed while documenting software.
10. Give a brief account on program evolution dynamics.

PART - B (3 × 20 = 60)

*Answer any THREE questions.
All questions carry equal marks.*

11. (a) Explain the process, methods and tools required for software development. (10)
- (b) Explain spiral model with merits and demerits. (10)

12. Briefly explain 'structured analysis' and 'data dictionary.' (20)
13. (a) Explain software architecture. (10)
- (b) Explain the user interface design process. (10)
14. Compare and contrast the black box and white box testing methods. (20)
15. What is software maintenance ? Explain the different characteristics of software maintenance. (20)