



BCA 13

IV Semester B.C.A. Examination, August 2011
SOFTWARE ENGINEERING

Time : 3 Hours

Max. Marks : 80

Instruction : Answer all questions in Part – A and either (a) or (b) of each question in Part – B.

PART – A

I. Answer all questions (1x10=10)

- 1) What is Software ?
- 2) Define Software Scope.
- 3) Define software reengineering.
- 4) List out the ISO 9000 series of quality management standards.
- 5) Define Lines of codes (LOC).
- 6) What are the reliability models?
- 7) Explain types and quality of reviews.
- 8) List the two stage of life cycle.
- 9) Define MTBF.
- 10) What is verification ?

II. Answer the questions in a paragraph (5x4=20)

- 11) Explain the concept of spiral model with neat diagram ?
- 12) Discuss the various categories of coupling.
- 13) Discuss about project metrics.
- 14) Explain about Risk projection.
- 15) Write short notes on software measurement categories.

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PART - B

I. Answer the questions in detail :

(5x10=50)

16) a) Describe the evolutionary process models in detail.

OR

b) Explain about Software Architecture in detail.

17) a) Explain objectives of project scheduling and tracking with example.

OR

b) Explain software quality assurance in detail.

18) a) Explain black box testing and white box testing?

OR

b) Explain in detail about iterative process planning.

19) a) Explain in detail about COCOMO cost estimation model.

OR

b) Explain about principles of software defect prevention.

20) a) What are the different activities in project management ?

OR

b) How do object oriented design and structured design differ ? What aspect of these two design methods ?

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