

Roll No. _____

S-1126

BCA IVth Semester Examination, 2018

Paper – IIIrd

[Software Engineering]

Paper Code-(BCA-803)

Time : 03 Hours]

[Maximum Marks : 70

Note : Attempt any Five questions in all. All question carries equal marks.

1. (a) What do you mean by Software Engineering? Explain different layers of Software Engineering. 7
- (b) What is software crisis? What is the significance of software crisis in reference to software engineering discipline? 7

2. (a) What do you understand by the term Software Development Life Cycle (SDLC)? Discuss with the help of neat diagram spiral model of software life cycle. 7
- (b) What is software requirements specification (SRS)? List out the advantages of SRS standards. Why is SRS known as black box specification of a system? 7

3. (a) What are activities during software project planning? 7
- (b) Discuss various types of COCOMO model. → cost estimate 7

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- 4. (a) What is software reliability? Compare Hardware reliability with Software reliability. 7
- (b) What is software quality? Discuss software quality attributes. 7
- 5. (a) What do you mean by Feasibility Study? Explain technical and economical feasibility in detail. 7
- (b) What is the difference between debugging testing? Explain Alpha and Beta testing in detail. 7
- 6. (a) What do you mean by project scheduling? Explain the use of Gantt chart and PERT chart in project planning. 7
- (b) Explain Linear Sequential model in detail with the help of a diagram. 7

7 Write short notes on the following: 14

- (i) Software Metrics
- (ii) CASE ⊗ Conv A 1 2 3
- (iii) Decision table 100p
- (iv) Data flow diagram

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