

Roll No. ...210009906

Total Pages : 02

GSM/D-24 **1065**
SOFTWARE ENGINEERING
BCA-234

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. (a) Define causes of Software crisis.
(b) Define information gathering tools.
(c) Discuss Alpha and Beta test.
(d) Write merits of Spiral Model.

Unit I

2. Explain Software Engineering as a Paradigm, and explain Waterfall model.
3. Explain various phases in software development process.

Unit II

4. Explain Software requirement Specification, its components and need for SRS.

5. Write characteristic of software configuration management with emphasis on Verification and Validation.

Unit III

6. (a) - Define Data Flow diagram for Library System.
(b) Make E-R Diagram and its symbols.
7. (a) Discuss Cohesion and Coupling.
(b) Discuss PERT and GANTT Chart.

Unit IV

8. Explain Software estimation in context of COCOMO Model.
9. Explain concept of SQA. Also discuss Risk management.