

**December 2004**

Bachelor of Computer Application (BCA) Examination  
**V Semester**

**Software Engineering**

Time : 3 Hours ]

[ Max. Marks : 40

**Note : Attempt all questions.**

1. What is a Business System? What are its components? Explain system analysis procedure.

**OR**

Why do you use System development life cycle model? Describe all of its phases in brief.

2. Describe the importance of project review, project selection and requirement specification.

**OR**

What is meant by Feasibility Study? Explain Feasibility Study? Explain Feasibility Analysis.

3. Explain any two of the following with suitable examples each:
  - (a) Object Oriented Design.
  - (b) Data Oriented Design.
  - (c) Tools of Structured Analysis.

**OR**

What do you mean by a Software Design? Explain the fundamental characteristics of software design.

4. What is Software quality assurance? Why do we need it? Explain the fundamentals of software testing.

**OR**

Write short notes on any two:

- (a) Basis Path Testing.
- (b) Validation Testing
- (c) Debugging.

5. Explain various issues involved in Software maintenance.

**OR**

A firm requires a specific computer system for its own jobs to be handled in house. Similarly, certain softwares are also required for the same purpose. How will you select the system and softwares for that firm? Explain.

