

**UG-416**

**BCA-05**

**U.G. DEGREE EXAMINATION —  
JANUARY, 2009.**

(Admitted from AY 2004-05 onwards)

**First Year**

**B.C.A.**

**ELEMENTS OF SYSTEM ANALYSIS AND DESIGN**

**Time : 3 hours**

**Maximum marks : 75**

Answer for 5 marks questions should not exceed  
2 pages.

Answer for 10 marks questions should not exceed  
5 pages.

**PART A — (5 × 5 = 25 marks)**

Answer any FIVE questions.

1. What is meant by Integration? Explain briefly.
2. What is an Information System? Give example.
3. Classify the technical skills of a systems analyst.
4. What are the advantages of Questionnaire?

5. Define structured analysis.
6. Discuss the need for testing.
7. Explain tangible and intangible costs.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain the characteristics of a system.
9. Write short notes on :
  - (a) Feasibility study.
  - (b) Open systems.
10. What is meant by Background analysis? Illustrate with an example.
11. Explain the process of design in detail.
12. Explain the role of database administrator.
13. What is meant by system testing? Give example.
14. Classify the various types of software with examples.