

2021
Bachelor of Computer Application
Third Semester
BCA-16-303: Information System Design and Implementation

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.

x-x-x

UNIT – I

- I. a) Describe Characteristics of a System. What are the various types of systems?
b) Explain roles of a system analyst. (7,6)
- II. Explain System development Life Cycle along with block diagram in detail. (13)

UNIT – II

- III. Explain System Planning and Initial Investigation process in detail. (13)
- IV. a) Discuss Decision tree and Decision Table as structured analysis tools.
b) Concept of Procedure and forms. (7,6)

UNIT – III

- V. Briefly explain the steps in feasibility analysis. Discuss feasibility report in detail. (13)
- VI. a) What do you mean by structured design? Explain functional decomposition as design methodology.
b) What is Quality Assurance? Explain its goals in System development. (7,6)

UNIT – IV

- VII. Discuss system maintenance and its activities in detail. (13)
- VIII. a) What methods are used to review systems after implementation.
b) What are types of software? Explain criteria for software selection. (7,6)

UNIT – V

- IX. Answer the following:-
 - a) Open and Closed Systems. (2)
 - b) What do you mean by audit trail? (2)
 - c) What is DFD? (2)
 - d) Explain fact finding techniques. (2)
 - e) On-site Observation (2)
 - f) Discuss Evaluation and Validation. (3)

x-x-x