2012
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. All questions carry equal marks.*

x-x-x

UNIT – I

I. Elaborate the following with example:-

   a) Physical and abstract system

   b) Open and closed system

II. a) Give a brief introduction to various phases in system development life cycle.

   b) What is system environment? Explain.

UNIT - II

III. a) What is performed in initial investigation of system planning?

   b) Explain how questionnaire is used as information gathering tool.

IV. What are the structured analysis tools? Explain the purpose of each one and highlight the differences.

UNIT - III

V. a) What are the contents of feasibility report?

   b) What are the different system design methodologies? Explain.

VI. Explain:-

   a) System testing

   b) Levels of quality assurance

UNIT - IV

VII. a) Give details of:-

      i) File conversion

      ii) User training

   b) What are the phases in hardware and software selection?

P.T.O.

VIII. What is performed in system implementation and maintenance phase?

UNIT - V

IX. Attempt the following:-

    a) List the characteristics of a system.   (1)

    b) Define information system. Give an example.   ` (2)

    c) How on-site observation is useful in information gathering?   (2)

    d) What are the required skills for a system analyst?   (2)

    e) What is the difference between logical and physical design?   (2)

    f) What are the types of maintenance?   (2)

    g) What is post installation review?   (2)

x-x-x