

- (b) What is system design? What are its objectives? How does structured design help ? Illustrate. [8]

7. Explain the following :

- (a) Structured Walkthrough [8]
(b) Form Design [8]

Unit-IV

8. What is system testing? What are its objectives? What are different types of system testing? Explain relevance of each type of testing. [16]

9. Explain the following :

- (a) System documentation [8]
(b) Goals of software quality assurance [8]

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Roll No.

97668

B.C.A. 2nd Semester

Examination-May, 2016

Structured System Analysis and Design

Paper-BCA-109

Time : 3 hours

Max. Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt **five** questions in all by selecting **one** question from each unit. Question No. 1 is **compulsory**. All questions carry equal marks.

[8×2 = 16]

1. (a) What are different sources of project requests?
(b) What is fact analysis ?

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[Turn Over

- (c) What are Decision Trees? How are these relevant ?
- (d) What is Data Dictionary? Illustrate its significance.
- (e) What are IPO Charts? State their usefulness.
- (f) What are the objectives of Input/Output designs?
- (g) What are different types of system maintenance ?
- (h) What do you mean by system evaluation?

Unit-I

2. (a) What do you understand by systems planning? State its goals. Discuss the important elements of software project plan? Discuss. [8]
- (b) What is meant by fact/information gathering? What are various tools used for this purpose? Illustrate. [8]

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3. Explain the following :

- (a) Role of System Analyst [8]
- (b) System and its characteristics [8]

Unit-II

4. (a) What are DFDs? What are the steps involved in developing DFDs? Illustrate. [8]
- (b) What do you mean by Gantt Chart? How does it help in project scheduling? Illustrate through an example. [8]

5. Explain the following :

- (a) Cost and Benefit analysis [8]
- (b) Decision Table [8]

Unit-III

6. (a) What do you understand by CRT screen design? What are the considerations involved in designing a good CRT screen design? Illustrate. [8]

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[Turn Over