

(b) Explain design and its advantages with suitable examples.

[8]

7. Explain the following with examples :

(a) Design Methodologies [8]

(b) Structured Analysis through and its uses and advantages [8]

IV

8. (a) What is system testing? How is it used and useful discuss with examples.

[8]

(b) Explain Quality assurance and its goals with suitable examples.

[8]

9. Explain the following with examples :

(a) Testing techniques [8]

(b) System maintenance and its types [8]

Roll No.

97668

B.C.A. 2nd Semester

Examination- May, 2017

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 : Question No. 1 is **compulsory**. Attempt four more questions selecting one question from each unit.

1. Answer the following questions briefly :

[8×2=16]

(a) Discuss system and list its two uses.

- (b) Describe major applications of Gantt chart.
- (c) Explain physical design.
- (d) Discuss benefits of test plan briefly.
- (e) Describe types of documentation in few lines.
- (f) What is factoring?
- (g) List types of forms.
- (h) Explain advantages of data dictionary.

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UNIT-I

- 2. (a) Define SI. How is it useful and used? Discuss with examples. [8]
- (b) Discuss information gathering tools with suitable examples. [8]

3. Explain the following briefly with suitable examples :

- (a) System planning and its advantages [8]
- (b) Types of system [8]

UNIT-II

- 4. (a) Define decision tree? How is it useful and used? Explain with examples. [8]
- (b) Explain cost and benefit analysis with an example. [8]

5. Describe the following with examples :

- (a) Use and advantages of DFD [8]
- (b) Flow charts and their advantages [8]

UNIT-III

- 6. (a) Define logical design? How is it used and useful? Explain with examples. [8]