

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

[8]

7. Explain the following with examples :

- (a) Design Methodologies [8]

- (b) Structured walkthrough and its uses and advantages [8]

#### UNIT-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 two major applications of Gantt charts.
- (c) Explain physical design.
- (d) Discuss benefits of test plan briefly.
- (e) Describe uses of documentation in few lines.
- (f) What is fact finding ?
- (g) List types of forms.
- (h) Explain two advantages of data dictionary.

**UNIT-I**

- 2. (a) Define SDLC? 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]