

Bachelor of Commerce (Computer Application) (B.C.C.A.) Semester–V Examination
SYSTEM ANALYSIS AND DESIGN

Paper–3–2

Sec–I

Time : Three Hours]

[Maximum Marks : 80

- N.B. :—** (1) Draw well labelled diagram wherever necessary.
(2) All questions are compulsory.

PART–A

- N.B. :—** (1) Each question carries **2** marks.
(2) Answer should not be more than **5** lines.

1. (a) Write any two characteristic of system.
(b) What is MIS ?
(c) Define Information gathering.
(d) Define cost benefit analysis
(e) What is logical design ?
(f) Define file.
(g) What is error ?
(h) What is conversion ?

8×2=16

PART–B

- N.B. :—** (1) Each question carries **3** marks.
(2) Answer should not be more than **10** lines.

2. (a) What are elements of system ?
(b) Why does organisation need System Analyst ?
(c) Define information. What are different tools of information gathering ?
(d) List and explain the primary steps in interviews.
(e) What is audit trail ?
(f) What is the goal of input design ?
(g) Elaborate the importance of testing.
(h) What is role of Consultant ?

8×3=24

PART-C

N.B. :— (1) Each question carries **5** or **10** marks.

(2) Answer should not be more than **400** words for **5** marks questions and **600** words for **10** marks questions.

EITHER

3. (a) Write short note on MIS. 5
(b) Describe the types of elements. 5

OR

- (c) Define SDLC. Explain with all stages of SDLC. 10

EITHER

4. (a) Describe the advantages and limitations of interviews and questionnaires. 5
(b) Write short notes on :
(a) Data Flow Diagram
(b) Data Dictionary. 5

OR

- (c) Describe all the phases of feasibility study. 10

EITHER

5. (a) Define process design. Explain logical and physical design. 5
(b) Describe form control. 5

OR

- (c) Describe the role of Data Administrator. 10

EITHER

6. (a) Explain the procedure of post implementation review. 5
(b) Describe the steps of software maintenance. 5

OR

- (c) What is error ? Explain types of error. Also describe the importance of testing. 10