

**Bachelor of Computer Application (B.C.A.) Semester-II (C.B.S.) Examination****SYSTEM ANALYSIS AND DESIGN****Paper—II**

Time : Three Hours]

[Maximum Marks : 50

**Note :—** (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagrams wherever necessary.

**EITHER**

1. (A) What is system ? Explain components of computerized information system. 5
- (B) Explain organizational and technological feasibility study in detail. 5

**OR**

- (C) Discuss in detail duties of system analyst. 5
- (D) Write notes on the following data collection techniques : 5
  - (i) Interviews
  - (ii) Questionnaires.

**EITHER**

2. (A) Explain DFD with suitable example. 5
- (B) What is form ? Summarise the characteristics of action memory and report form. 5

**OR**

- (C) What audit considerations are included in system design ? Why are they important ? 5
- (D) Explain principles of code design. 5

**EITHER**

3. (A) Write a note on change strategies. 5
- (B) List and explain the factors that affect the quality of a system. 5

**OR**

- (C) Describe the role of following people in testing : 5
  - (i) Analyst
  - (ii) Programmer
  - (iii) End users.
- (D) Explain the role of database administrator. 5

**EITHER**

4. (A) What are the main responsibilities, functions and activities of project management ? Which of these should be assigned to : 5
  - (i) Project committee
  - (ii) Project review committee ?
- (B) What is project scheduling ? Explain any one technique of project scheduling. 5

**OR**

- (C) Describe desirable facilities/features to be provided by a computer industry while launching a software in the market. 5
- (D) Discuss the basic issues in reusing a software. 5

5. Attempt **All** :

- (A) Define system and subsystem. List different types of systems. 2½
- (B) Write a note on data dictionary. 2½
- (C) Discuss importance of testing. 2½
- (D) Write a note on software reliability. 2½