5.   Attempt **ALL** :—

(a)   Explain Brainstorming.                          2½

(b)   Write a short note on system tolerance.         2½

(c)   Explain cold turkey method.                     2½

(d)   Explain Gantt charts.                           2½

**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 diagram wherever necessary.

**EITHER**

1.   (a)   Why is feasibility study important in the development of an information system ? Explain how feasibility decision is taken.          5

(b)   Who is system analyst ? Give reasons why system analyst plays a role of :

(i)   Confronters

(ii)   Detective

(iii)   Architect

(iv)   Imposer.                                5

**OR**

(c) Write guidelines to design a questionnaire. Give one example of open ended question. 5

(d) Write short notes on prototyping. 5

**EITHER**

2. (a) Outline five validation rules for data. Give example of rules that might be used to validate date of birth for a

    (i) Student file

    (ii) Employee personnel file. 5

(b) List main categories of output. Explain each in brief. 5

**OR**

(c) What are the conventions for writing structured English ? Give one example to illustrate structured English tool. 5

(d) Write short notes on :

    (i) Process charts

    (ii) SOP. 5

**EITHER**

3. (a) Discuss change strategies in brief. 5

(b) Write short notes on :

    (i) Test Evaluation

    (ii) Test Acceptance. 5

**OR**

(c) Explain how evaluation helps in system development process and when it should take place ? 5

(d) Why is training important ? Discuss training methods in brief. 5

**EITHER**

4. (a) Explain various Activities carried out in project planning. 5

(b) Explain function point metric method used to estimate project size. 5

**OR**

(c) Explain Project risk, Business risk and Technical risk in brief. 5

(d) Explain software maintenance process model. 5