KNT/KW/16/5291

Bachelor of Science (B.Sc.I.T.) Semester–I (C.B.S.) Examination

SYSTEM ANALYSIS DESIGN

Paper—III

Time : Three Hours] [Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat & labelled diagram wherever necessary.

EITHER

1. (a) Who is system analyst ? Explain role and duties of system analyst. 5

(b) Explain following different data collection techniques :

(i) Brain Storming

(ii) Observation. 5

OR

(c) Define feasibility study. Explain :

(i) Economic feasibility

(ii) Technological feasibility. 5

(d) Explain open system and closed system with example. 5

EITHER

2. (a) Explain data dictionary. Give an example. 5

(b) Explain the principle of code design and explain different types of codes. 5

OR

(c) What is DFD ? List various symbols used in drawing DFD with their meaning. Give one example. 5

(d) Explain the principle of output design. 5

EITHER

3. (a) What is conversion ? Explain code turkey and pilot method. 5

(b) Why is training important ? Describe training methods in brief. 5

OR

(c) Explain system evaluation in detail. 5

(d) What is system testing ? Explain different levels of testing. 5

EITHER

4. (a) What is software maintenance ? How is maintenance cost of software estimated ? 5

   (b) Discuss the basic issues related to software reuse. 5

OR

   (c) What is project scheduling ? Explain PERT chart in brief. 5

   (d) List and briefly summarize the key attributes of software quality. 5

5. Attempt **ALL** :

   (a) Write a short note on protyping model system design. 2½

   (b) Write a short note on decision table. 2½

   (c) Explain the advantages of modular conversion method. 2½

   (d) What is CPM ? How can it be useful for project scheduling ? 2½