NTK/KW/15 –5990

First Semester Bachelor of Science B. Sc. (IT) Examination

Paper - II

SYSTEM ANALYSIS AND DESIGN

Time : Three Hours] [Max. Marks : 50

N. B. : (1) All questions are compulsory and carry equal marks.
(2) Draw neat labelled diagram wherever necessary.

EITHER

1. (a) What is system ? Explain components of computerized information system. 5

(b) What are different feasibility studies ? Explain. 5

OR

(c) Explain prototyping Methodology used in SDLC. 5

(d) Explain interview and observation. Give advantages and disadvantages of it. 5

EITHER

2. (a) Explain decision table tools in detail with example. 5

(b) Write a note on :—

(i) Input validation. 5

OR

(c) What are the types of "codes"? write down the properties of codes. 5

(d) What do you mean by system tolerance ? Explain. 5

EITHER

3. (a) What is training ? Give its importance. Discuss. Training related activity. 5

(b) Why training is important while implementing software system ? 5

OR

(c) Explain modular and sequential methods of software system conversion. 5

(d) What is system evaluation ? Explain. 5

EITHER

4. (a) What is project planning ? Explain any one project estimation techniques with example. 5

(b) What is project monitoring and control system ? 5

OR

(c) Explain software configuration management. 5

(d) What is Software Reliability and Software Quality? 5

5. Attempt any **ten** :—

(i) Define system.

(ii) List steps in SDLC.

(iii) What is system analysis ?

(iv) List symbols used in DFD. List categories of output.

(vi) What is quality form ?

(vii) List steps in system evaluation.

(viii) List levels of testing.

(ix) Define testing.

(x) What is CPM ?

(xi) What is Risk in software project ?

(xii) What is ISO 9000 in software ? 1×10