

Tribhuvan University
Institute of Science and Technology
2074

Bachelor Level / Fifth Semester / Science

Computer Science and Information Technology(CSC315)

((TU CSIT) System Analysis and Design)

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Full marks: 60

Pass marks: 24

Time: 3 hours

Group A

Long Answer Questions:

Attempt Any Two:

(2x10=20)

1. Define information system? Why do we need it? Discuss different types of information systems with suitable example of each.
2. What is DFD? Discuss different levels of DFD with suitable example.
3. What is system implementation? Discuss different activities of system implementation in detail.

Group B

Short Answer Questions:

Attempt Any Eight:

(8x5=40)

4. What is forward, reverse, and round-trip engineering? Discuss.
5. Discuss structured English with suitable example.
6. Define feasibility study. Why do we need it?
7. What is cost benefit analysis? How can you find system cost?
8. How can you format forms and reports? Discuss.
9. Why do we need normalization? Discuss 3NF with example.
10. What is file organization? What are the objectives for choosing file organization? Discuss sequential file organization.
11. What is maintenance? Discuss different types of maintenance activities.
12. What is project management? Discuss different activities of software project management.
13. Write short notes on:
 - a) Joint application development
 - b) Role of CASE in data modeling