

Tribhuvan University
Institute of Science and Technology
2079

Bachelor Level / fifth-semester / Science

Computer Science and Information Technology(CSC315)

System Analysis and Design

Full Marks: 60 + 20 + 20

Pass Marks: 24 + 8 + 8

Time: 3 Hours

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

The figures in the margin indicate full marks.

Section A

Attempt any TWO questions.

Differentiate between black box and white box testing. Explain different stages of testing.

Answered: [Click to View Answer](#)

Why do we use DFD? Draw context diagram and data flow diagrams of a retail clothing store in a mall that sells different cloths to its customers.

Answered: [Click to View Answer](#)

Compare structured development with object-oriented development. Explain use case diagram and class diagram with suitable example.

Answered: [Click to View Answer](#)

Section B

Attempt any EIGHT questions.

Explain common skills of a project manager. Which skill do you think is most important?

Answered: [Click to View Answer](#)

Describe the project identification and selection process.

Answered: [Click to View Answer](#)

List and describe the steps in the project initiation and planning process.

Answered: [Click to View Answer](#)

Explain Joint Application Design in brief. How is it better than traditional information gathering techniques?

Answered: [Click to View Answer](#)

What is conceptual data modeling? Explain conceptual data modeling process.

Answered: [Click to View Answer](#)

Compare form with report. Explain the process of designing forms and reports.

Answered: [Click to View Answer](#)

Define system maintenance. Explain the process of maintaining information systems in brief.

Answered: [Click to View Answer](#)

write short notes on:

a. CASE tools

b. Baseline project plan