

Tribhuvan University
Institute of Science and Technology
2081



Master Level / I Year/ Ist Semester/ Science

Full Marks: 45

Computer Science and Information Technology (C.Sc. 539)

Pass Marks: 22.5

(Object Oriented Software Engineering)

Time: 2 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

Long answer questions:

Attempt any two questions.

(2×10=20)

1. Explain object oriented design (OOD/Booch) method and compare with traditional object oriented design method.
2. Discuss the different steps of the project selection and preparation of object oriented software development with example.
3. List down and Compare software life cycle model that supports object oriented software development.

Section B

Short answer questions:

Attempt all questions.

(5×5=25)

4. Explain the requirement model from the user requirements prospective.
5. Explain about software metrics in brief.
6. Discuss the classifications of real time systems with example.
7. Compare the relational DBMS with Object DBMS.
8. Explain the component based software engineering.