

Tribhuvan University
Institute of Science and Technology
2069

Bachelor Level / first-semester / Science

Full marks: 60

Computer Science and Information Technology(CSC109)

Pass marks: 24

(Introduction to Information Technology) 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.

Long Questions

Attempt any two questions: (2 × 10=20)

- 1. Mention the different categories of digital computers and compare it.**
- 2. Explain the different types of database management systems with example.**
- 3. Explain the different type of modulation with suitable figure.**

Short Questions:

Attempt any eight questions: (8 × 5 = 40)

- 4. What are the major components of a computer?**
- 5. What are the different types of software used in the computer systems?**
- 6. What are the major characteristics of data in a database?**
- 7. What do you mean by normalization?**
- 8. What are the major components of a computer networks?**
- 9. What are the major advantages of distributed data processing?**
- 10. What are the different protocols available on the Internet?**
- 11. How does an email work?**
- 12. What do you mean by Intranet?**
- 13. What do you mean by office automation systems?**