

Tribhuvan University
Institute of Science and Technology
2071

Bachelor Level/ First Year/ First Semester/ Science
Computer Science and Information Technology (CSc. 101)
(Introduction to Information Technology)

Full Marks: 60
Pass Marks: 24
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. Explain the major component and the characteristic of computers .
2. What is computer software? Explain the system software and application software with example .
3. Explain the functions of an operation system .How does operating system work ?Explain.

Short Questions:

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

4. Mention the different categories of digital computers .
5. Explain the function of memory.
6. How EEPROM is different from EPROM and PROM?
7. Differentiate between mouse and a trackball
8. Differentiate between impact and non-impact printer.
9. What are the major difference between a random access device and a sequential device?
10. What is real-time operating system?
11. Mention the different types of network architecture.
12. Define the modem .How does it work?
13. Define Internet. How does the Internet work?