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 components and the characteristics of computers.

2. What is computer software? Explain the system software and application software with example.

3. Explain the functions of an operating 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 functions of the 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 access 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?