

Tribhuvan University
Institute of Science and Technology
2072
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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. Mention the different categories of digital computer and compare each of them.
2. Explain with steps how the CPU and memory work.
- ③ 3. Define network topology. What are the different types of network topologies? Explain.

Short Questions:

Attempt any eight questions:

(8×5=40)

- ✓ 4. What are the major components of a computer? Explain.
5. What are supercomputers? Explain its applications.
- ⑥ 6. What is the function of the memory?
7. What is an auxiliary storage device?
8. Differentiate between multitasking and multiprocessing.
- ✓ 9. Explain the network protocols.
10. What are the disadvantages of distributed data processing?
- ✓ 11. What is FTP and how does it work?
- ✓ 12. How does e-mail work?
- ✓ 13. Explain the IT in the medical sector.