Tribhuvan University
Institute of Science and Technology
2070
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Bachelor Level / First Year/ First Semester/ Science   Full Marks: 60
Computer Science and Information Technology (CSc. 101)   Pass Marks: 24
(Introduction to Information Technology)   Time: 3 hours.

Candidates are required to give their answers in their own words as for applicable.
The figures in the margin indicate full marks.

Long Questions:

Attempt any two questions: (2×10=20)

1. Compare the first electronic computer and its features with first commercial computer and its features.

2. What is a database management system? Explain different levels of database services. Describe meaning, use and purpose of each level.

3. Explain the relationship between intranets, exteranets and e-commerce. What is business to customer e-commerce and its benefits?

Short Questions:

Attempt any eight questions: (8×5=40)

4. How is a PC different from a workstation?

5. What are the major auxiliary storage devices for a computer?

6. What are the differences between third and fourth generation languages?

7. What are the different normal forms in database design.

8. Describe the different types of computer networks in brief.

9. What is HTML and what is its importance?

10. What is the difference between data mining and other data verification technologies?.

11. What is CAI and what are its advantages?

12. Explain office automation and its technologies.

13. Write short notes on (any two):
    a) spamming
    b) ISDN
    c) Assembly languages.

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