

Tribhuvan University
Institute of Science and Technology
 2082
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Bachelor Level / Third Year/ Sixth Semester/ Science
Computer Science and Information Technology (CSC366)
 (E-Governance)
(OLD COURSE)

Full Marks: 60
 Pass Marks: 24
 Time: 3 hours.

Candidates are required to give their answers in their own words as far as practicable.
 All figures in the margin indicate full marks.

Section A

Long Answer Questions.

Attempt any TWO questions.

[2×10=20]

1. What do you mean by online service delivery and electronic service delivery? Explain e-government life cycle in detail. [4 + 6]
2. What are the benefits of using e-governance business models? Explain critical flow model in detail. [2 + 8]
3. Explain e-government architecture in detail. What is interoperability framework? [7 + 3]

Section B

Short Answer Questions

Attempt any EIGHT questions.

[8×5=40]

4. Define e-governance. Compare e-governance with e-government. [2 + 3]
5. What are the major benefits and barriers of implementing e-government in developing countries like Nepal? [5]
6. Explain characteristics of maturity levels. [5]
7. What are different evolutionary steps in e-governance? [5]
8. Briefly explain the approaches of e-government security. [5]
9. What is security management model? What do you mean by access control model? [2 + 3]
10. What are the key uses of authentication? Why multi factor authentication is important. [2.5 + 2.5]
11. What are the applications of data warehousing and data mining in population census? [5]
12. Write short notes on: [2 × 2.5 = 5]
 - a. Good governance
 - b. Cloud governance