

Tribhuvan University
Institute of Science and Technology
2081



Bachelor Level / Third Year /Six Semester/Science
Computer Science and Information Technology (CSC366)
(E- Governance)
(NEW 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.
The figures in the margin indicate full marks.

Section A

Attempt any TWO questions.

(2×10=20)

1. Explain the different models of digital governance, including the broadcasting model, critical flow model, comparative analysis model with practical use cases. [10]
2. Discuss the challenges and strategies involved in ensuring human and technological infrastructure preparedness for E-government. Explain the government-to-citizen-to-government model and discuss its impact on citizen engagement and service delivery. [5+5]
3. Discuss the five maturity levels of E-governance and explain their characteristics with examples. Explain how data warehousing and data mining helps in E-governance mechanisms. [5+5]

Section B

Attempt any EIGHT questions.

(8×5=40)

4. What are the present global trends in the growth of E-governance? Provide examples. [5]
5. Explain the security management model used in E-government. [5]
6. How can data warehouse and data mining improve healthcare and education services in country. [5]
7. Discuss the E-government initiatives in Nepal and their impact on public. [5]
8. Compare E-governance initiatives in USA and China. [5]
9. What is E-readiness? Discuss its importance in assessing a country's preparedness for E-government implementation. [1+4]
10. Explain the importance of data system infrastructure in securing and managing digital information in E-government system. [5]
11. Explain the role of cyber law in supporting E-governance implementation. [5]
12. Write short notes on (any two): [2, 5 x 2 = 5]
 - a. Digital divide
 - b. Human resource management software
 - c. Bhoomi