

**Tribhuvan University**  
**Institute of Science and Technology**  
**2076**

Bachelor Level / sixth-semester / Science  
Computer Science and Information Technology( CSC366 )  
E-Governance

Full Marks: 60 + 20 + 20  
Pass Marks: 24 + 8 + 8  
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.

**Group A**

**Attempt any two questions.**

- 1 Differentiate between e-Government and e-Governance. What are the various stages of E-governance?  
-----
- 2 Explain with example of maturity model of e-governance.  
-----
- 3 Explain the components of data warehouse. What are the applications of data mining in eGovernance in the context of Nepal.

**Group B**

**Attempt any eight questions.**

- 4 Explain the critical flow model in e-Governance.  
-----

What do you mean by e-Readiness framework? Explain with example.  
-----



6 Discuss the main impact of e-Governance application in digital divide.

---

7 What are the current trends of e-Governance development in Nepal.

---

8 Explain the Comparative Analysis Model with example.

---

9 What are the pre-requisites of e-readiness for infra structure development.

---

10 How can you develop the rural area through e-governance?

---

11 Explain the strategic planning important for e-Government implementation.

---

12 What are the main contents are needed for human resource management software?  
Explain.

---

Write short notes:

- 13
- a. IT in Judiciary
  - b. E-Payment



**Tribhuvan University**  
**Institute of Science and Technology**  
**2078**

Bachelor Level / sixth-semester / Science

Computer Science and Information Technology( CSC366 )

E-Governance

Full Marks: 60 + 20 + 20

Pass Marks: 24 + 8 + 8

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.**

- 1 Why do we need E-Governance? How can we use E-Governance to provide efficient services to citizens? Explain using suitable example.

- 2 What is E-Governance model? Explain broadcasting/wider dissemination model and critical flow model in detail.

- 3 Why do we need IT infrastructure to implement E-Governance? Explain network and computing infrastructure needed to implement E-governance.

**Section B**

**Attempt any eight questions.**

- 4 Define E-Government. Explain E-Government as an Information System.



5 Why is it necessary to implement ICT in government? Explain.

---

6 What is E-Government maturity model? Describe the various maturity levels.

---

7 How can we achieve good governance through E-Government models? Explain.

---

8 Define E-readiness. What is data system infrastructural preparedness and technological infrastructural preparedness?

---

9 What are different approaches to E-Governance security? Explain.

---

10 Explain the uses of data warehousing and data mining in health, education and the rural development.

---

11 How can we use human resource management software to support E-Government? Explain.

---

Write short notes on:

12 a. Electronic service delivery

b. IT in judiciary



**Tribhuvan University**  
**Institute of Science and Technology**  
**2079**

Bachelor Level / sixth-semester / Science

Computer Science and Information Technology( CSC366 )

E-Governance

Full Marks: 60 + 20 + 20

Pass Marks: 24 + 8 + 8

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.**

- 1 Why is it necessary to implement E-Governance to provide government services to citizens efficiently and effectively? Explain using suitable example.

- 2 Why do we need E-Governance model? Explain comparative analysis model, and mobilization and lobbying model in detail.

- 3 Why is it necessary to have IT infrastructure to implement E-Government? Explain different IT infrastructure needed to implement E-government.

**Section B**

**Attempt any eight questions.**

- 4 "E-Governance is to provide SMART government." Justify this statement .



- 5 What are the different stages of E-Government life cycle? Explain.
- 
- 6 What is E-Government maturity model? Describe the various maturity levels.
- 
- 7 How can we achieve good governance through E-Government models? Explain.
- 
- 8 Define E-readiness. What is legal infrastructural preparedness?
- 
- 9 What are the challenges to E-Governance security? Explain.
- 
- 10 Explain the uses of data warehousing and data mining in agriculture.
- 
- 11 Explain the E-Governance initiatives in Nepal?
- 

Write short notes on:

- 12 a. E-government Security Architecture
- b. E-governance implementation in land reform

