**Tribhuvan University**

**Institute of Science and Technology**

**2080**

**Section A**

**Attempt any two questions.**

**1.**Differentiate between e-governance and e-government. Explain the issues in e-governance implementations and how to solve these issues?

**2.**What do you mean by data warehousing and data mining? Explain the applications of data warehousing and data mining in census and prices of essential commodities.

**3.**Explain broadcasting/wider dissemination model and comparative analysis model of e-governance with practical example.

**Section B**

**Attempt any eight questions.**

**1.**Explain in brief about scope and content of e-governance.

**2.**Discuss the important role of cyberlaw in Nepal.

**3.**What do you mean by maturity levels of e-governance?

**4.**Discuss the e-Readiness assessment of infrastructure preparedness.

**5.**Mention the existing scenario of e-governance in Nepal.

**6.**What are different IT tools that are used to deliver services to citizens.

**7.**Discuss about the e-government security architecture.

**8.**Explain in brief about e-governance initiatives in Srilanka.

**9.**Write short notes on: (any two)

1. Data system infrastructure
2. Model of Digital governance
3. Security standards.

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**2079**

**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.**

**1.**“E-Governance is to provide SMART government.” Justify this statement .

**2.**What are the different stages of E-Government life cycle? Explain.

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

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

**5.**Define E-readiness. What is legal infrastructural preparedness?

**6.**What are the challenges to E-Governance security? Explain.

**7.**Explain the uses of data warehousing and data mining in agriculture.

**8.**Explain the E-Governance initiatives in Nepal?

**9.**Write short notes on:

a. E-government Security Architecture

b.E-governance implementation in land reform

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**2078**

**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.**

**1.**Define E-Government. Explain E-Government as an Information System.

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

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

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

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

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

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

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

**9.**Write short notes on:

a. Electronic service delivery

b. IT in judiciary

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**2076**

**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.**

**1.**Explain the critical flow model in e-Governance.

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

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

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

**5.**Explain the Comparative Analysis Model with example.

**6.**What are the pre-requisites of e-readiness for intra structure development.

**7.**How can you develop the rural area through e-governance?

**8.**Explain the strategic planning important for e-Government implementation.

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

**10.**Write short notes:  
a. IT in Judiciary  
b. E-Payment