

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



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Attempt any **EIGHT** Questions.

1. Define e-Government and e-Governance. What are benefit of e-Government? Differentiate between traditional government and e-Governance. (2+3+5)
2. Describe G2C and G2B e-governance model with benefits and challenges. (10)
3. Why do we need IT infrastructure to implement in e-Governance? Explain Electronic Data Interchange (EDI) in brief. (5+5)
4. Explain the advantages of m-Governance. Describe in brief about the mobile commerce architecture. (5+5)
5. Explain online payment processing in EPS. Why do we need security in EPS? (5+5)
6. Define biometric. Describe security issues in e-Governance. How can we protect e-Governance system from those issues? (2+4+4)
7. List out the different legal and ethical issues related to e-Governance. Write the importance of cyber law. (5+5)
8. What are the key phases of e-Governance system life cycle and how can project assessment be conducted at different phases of this life cycle? (5+5)
9. How can you manage public data in e-Governance? Describe hybrid model of e-Government. (5+5)
10. Write short notes on: www.arjun00.com.np (4x2.5)
 - a) Firewall
 - b) Extranet
 - c) SET
 - d) SSL

Good Luck !

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

AC

Regular Exam – 2081 Kartik/Mangsir

Program: Diploma in Computer Engineering

Full Marks: 80

Year/Part: III/II (2022) © Arjun

Pass Marks: 32

Subject: E-Governance (Elective II)

Time: 3 hrs.

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Attempt any **EIGHT** questions.

1. Explain e-governance. Explain different types of e-governance models. [2+8]
2. Why is it necessary to implement e-governance to provide government services to citizens efficiently and effectively? Explain using suitable example. [10]
3. What are the potential benefit of using mobile governance for citizens and government? Explain. [10]
4. Describe different IT infrastructure needed to implement e-governance. [10]
5. What is EPS? Explain different types of EPS. [2+8]
6. What do you understand by payment gateway? Explain online payment processing system. [2+8]
7. Why do we require cyber law? Explain risk involved in e-governance. [5+5]
8. What challenges do government face in implementing effective e-governance management? Explain. [10]
9. What are the key phases in the life cycle of an e-government system? What is each important? Explain. [5+5]
10. Write short notes on: [4×2.5]
 - a. Digital signature
 - b. Biometric
 - c. e-government
 - d. Intellectual property

Good Luck !