

**TAMIL NADU OPEN UNIVERSITY**

**School of Computer Science**

**SPOT ASSIGNMENT- (AY 2018-2019)**

**NOTE:** Part A Contains 3 Questions and will carry 5 Marks each, Part B Contains 1 Question and will carry 10 Marks. Students are requested to write 150 words and should not exceed 2 pages each in Part A, 300 words and should not exceed 4 pages in Part B.

**Post Graduate Diploma in Information Security**

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**Course Code: PGDIS-01**

**Course Title: Fundamentals of Information Technology**

**(Total Marks=25)**

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**Part- A- Short Answer Questions**

**Answer all questions**

**(3 X 5 = 15 Marks)**

1. Discuss in detail about computer architecture.
2. List and describe the functions of operating system.
3. Write short notes on CPU.

**Part- B- Long Answer Question**

**Answer the following question**

**(1 X 10 = 10 Marks)**

4. Explain the components of Network.

(OR)

5. Explain the Problems on the Internet.

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**Course Code: PGDIS-02**

**Course Title: C# and. NET**

**(Total Marks=25)**

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**Part- A- Short Answer Questions**

**Answer all questions**

**(3 X 5 = 15 Marks)**

1. How to declare on array in C#? Explain.
2. Narrate the term metadata.
3. Explain Exception Handling mechanism?

**Part- B- Long Answer Question**

**Answer the following question**

**(1 X 10 = 10 Marks)**

4. Explain the HTML form development.

(OR)

5. Explain the Concept of Inheritance with an example.

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**Course Code: PGDIS-03**

**Course Title: Data Communications and Networking**

**(Total Marks=25)**

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**Part- A- Short Answer Questions**

**Answer all questions**

**(3 X 5 = 15 Marks)**

1. What is Distributed Processing?
2. Explain radio waves?
3. What are Passive Hubs?

**Part- B- Long Answer Question**

**Answer the following question**

**(1 X 10 = 10 Marks)**

4. Explain the Transmission Media.

(OR)

5. Explain IPv4 in detail

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**Course Code: PGDIS-04**

**Course Title: Introduction to Information Security**

**(Total Marks=25)**

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**Part- A- Short Answer Questions**

**Answer all questions**

**(3 X 5 = 15 Marks)**

1. What are Firewalls?
2. What is VPN?
3. Explain security mechanisms in Distributed Database.

**Part- B- Long Answer Question**

**Answer the following question**

**(1 X 10 = 10 Marks)**

4. Explain Windows NT Security Issues?

(OR)

5. Explain the Types of VPN Technologies

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**Course Code: PGDIS-05**

**Course Title: Network Security**

**(Total Marks=25)**

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**Part- A- Short Answer Questions**

**Answer all questions**

**(3 X 5 = 15 Marks)**

1. What is Steganography? Explain
2. Write Feistel cipher structure.
3. Explain Network security and cipher text.

**Part- B- Long Answer Question**

**Answer the following question**

**(1 X 10 = 10 Marks)**

4. Explain RSA Algorithm in detail.

(OR)

5. Explain DES in detail.

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**Post Graduate Diploma in Information Security**

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**Course Code: PGDIS-06**

**Course Title: Cyber Law and Cyber Security**

**(Total Marks=25)**

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**Part- A- Short Answer Questions**

**Answer all questions**

**(3 X 5 = 15 Marks)**

1. Explain the Law of Digital Contract?
2. Explain the Copy Right Mechanism in the Digital Media?
3. Explain about Software Piracy?

**Part- B- Long Answer Question**

**Answer the following question**

**(1 X 10 = 10 Marks)**

4. Explain the best practices for Cyber Crime Investigation

(OR)

5. Explain about Cyber Forensics.