# TAMIL NADU OPEN UNIVERSITY

## School of Computer Science

## SPOT ASSIGNMENT- (CY 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. Write short notes on server software.
2. List and describe the functions of operating system.
3. Explain about repeaters.

## Part- B- Long Answer Question

**Answer the following question**                          **(1 X 10 = 10 Marks)**

4. Write about various types of Computers

(OR)

5. Discuss in detail about web browsers.

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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. Explain the classes and objects in C#.

2. What are intermediate languages? Explain.

3. Give a detailed account on client-side scripting.

**Part- B- Long Answer Question**

**Answer the following question** (1 X 10 = 10 Marks)

4. Discuss about the operators in detail.

(OR)

5. Explain the HTML form development.

**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.

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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 a data communication? Explain in detail.

2. Explain the Periodic Analog Signals.

3. Elaborate IPV4?

**Part- B- Long Answer Question**

**Answer the following question**                          **(1 X 10 = 10 Marks)**

4. Explain the OSI Reference models.

      (OR)

5. Discuss about the Distributed processing.

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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. Explain the impotents of Antivirus software.

2. Describe the database access control

3.  Explain the UNIX security issues.

**Part- B- Long Answer Question**

**Answer the following question**                          **(1 X 10 = 10 Marks)**

4. Discuss about the intrusion detection policy management.

   (OR)

5. Describe the Types of VPN techniques.

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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 are the Security services?

2.   What are the differences between Symmetric and public key cryptography?

3.   What are the Authentication requirements? Explain.

**Part- B- Long Answer Question**

**Answer the following question**                                **(1 X 10 = 10 Marks)**

4.   Explain the structure of simplified DES in detail.
      (OR)
5.   Explain Message Authentication Code in detail.

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**Course Code: PGDIS-06**

**Course Title: Cuber 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. Write scope of Cyber Laws.

2. Explain E-Governance in detail.

3. What are the types of Virus Attacks?

**Part- B- Long Answer Question**

**Answer the following question** **(1 X 10 = 10 Marks)**

4. Discuss Intellectual property issues in cyber space.

(OR)

5. Explain how Cyber Criminals and Hackers work in detail.