P.G. DIPLOMA EXAMINATION – JUNE 2019.

Information Security

FUNDAMENTALS OF INFORMATION TECHNOLOGY

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Define Application Software

2. Explain about memory hierarchy.

3. What is meant by Operating system?

4. Write any four uses of Software Tools.

5. Write short notes on WWW.

6. Write the characteristics of LAN Network.

7. What is meant by Web browsers?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail about CPU.

9. Write short note on History of Computers.

10. Discuss in detail about type of Network.

11. Explain in detail about Network Topologies.

12. Write short note on Internet function.

13. Explain in detail about Client and server Technology.

14. Explain webpage.

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P.G. DIPLOMA EXAMINATION — JUNE 2019.

Information Security

C# and .NET

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Define Class.

2. Define C# Arrays.

3. What is meant by Encapsulation give with example?

4. What is meant by Garbage Collection?

5. What is meant by Common Language Runtime (CLR)?

6. Write any two advantages of .NET Language.

7. Define GET method work for C#.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on C# Operators.

9. Short note on String types.

10. Explain in detail about Inheritance with suitable example in C#.

11. Explain Common type System in C#

12. Explain the features of .NET Namespace.

13. Explain about Client-side Scripting.

14. Discuss in detail about control statements with suitable example.

15. Write short note on ADO.Net.

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P.G. DIPLOMA EXAMINATION – JUNE 2019.

Information Security

DATA COMMUNICATION AND NETWORKING

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1.   Define Network.

2.   What is bandwidth?

3.   What is the purpose of Guided media?

4.   List out the advantages of Coaxial Cable.

5.   What are the types of Communication medium in network?

6.   What is the role of Router?

7.   What is meant by Active hub?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8.   Discuss about Components of Network.

9.   Explain OSI Model.

10.   Explain the types of Network.

11.   Discuss in detail about Data communications.

12.   Write short note on TCP/IP Protocols.

13.   Write short note on Gateways.

14.   Explain about IPV6.

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P.G. DIPLOMA EXAMINATION – JUNE 2019.

Information Security

INTRODUCTION TO INFORMATION SECURITY

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is meant by Access Controls?

2. Define Antivirus Software.

3. What is meant by Integrity?

4. Define view.

5. List out any four Security issues on database.

6. Explain about Database protection.

7. What is meant by Window NT Security?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on Firewalls.

9. Explain in detail about Encryption.

10. Discuss in detail about types of VPN techniques.

11. Discuss about VPN Standards.

12. Write short note on Security filters.

13. Explain in detail about knowledge based system.

14. Discuss about Internet architecture.

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P.G. DIPLOMA EXAMINATION
JUNE 2019.

Information Security

NETWORK SECURITY

Time : 3 hours Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is meant by Security attacks?

2. Define Encryptions.

3. List any three principles of modern Symmetric Ciphers?

4. Define Key Management.

5. What is meant by Message authentication?

6. Write any four requirements of authentications.

7. Differentiate public key.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on security services.

9. Explain in detail about symmetric cipher model.

10. Discuss about block cipher principle.

11. Highlight the features of modern symmetric cipher?

12. Explain about public key encryption technique.

13. Discuss about elliptic curve cryptography.

14. Explain about Authentication requirements.

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| **PG-440** | **PGDIS-06** |

P.G. DIPLOMA EXAMINATION – JUNE 2019.

Information Security

CYBERLAW AND CYBER SECURITY

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. How Internet Technology Works? Give a simple example.

2. What is meant by Digital signature?

3. What is the Cyber Crimes?

4. What is E-Governance? Where it is used?

5. What is Intrusion?

6. List out the issues of email security.

7. What is music privacy?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8.   Write short note on Digital contracts.

9.   Explain in detail the science of Cryptography.

10.   Discuss the issues of Domain name.

11.   Highlight the features of E-Governance.

12.   Write short note on Cyber Crime Investigation.

13.   Explain Server Security.

14.   Discuss about virus attacks.

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