

**PG-757**

**PGDSM-01/  
PGDIS-01**

**P.G. DIPLOMA EXAMINATION –  
DECEMBER 2019.**

**Software quality Management**

**FUNDAMENTALS OF INFORMATION  
TECHNOLOGY**

**Time : 3 hours**

**Maximum marks : 75**

**PART A — (5 × 5 = 25 marks)**

**Answer any FIVE questions.**

1. Write a hint about software.
2. What is Memory unit?
3. Explain the Classification of Software.
4. Write a short note on System Software utilities.
5. Networking: Explain.
6. What is LAN Expansion?
7. Internet: Give a brief note.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain: computer architecture.
  9. Write in detail about Software tools.
  10. Give a detailed explanation for Software Engineering.
  11. (a) Explain Network operating system concepts.  
(b) Explain Client software
  12. Bridges and gateways: Explain.
  13. Write in detail about Information retrieval on the internet.
  14. Web browsers: Explain.
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**PG-763**

**PGDIS-02**

**P.G DIPLOMA EXAMINATION –  
DECEMBER, 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, Object in C#.
2. What is use of Namespace in C# with example?
3. Write any four difference between C++ and C#?
4. What is meant by Polymorphism?
5. Define Metadata.
6. What is meant by Webserver?
7. What is meant by Client-Side Scripting?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on Control Statement in C#.
  9. Explain in detail about Inheritance Concept in C#.
  10. Explain the usage of various keywords in Exception handling in C#.
  11. Highlight the features of .NET Framework.
  12. Explain Client-Side Scripting in C#.
  13. Discuss in detail about Get and Post Method with suitable example.
  14. Explain ASP.NET Namespaces.
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**P.G. DIPLOMA EXAMINATION —  
DECEMBER, 2019.**

**DATA COMMUNICATION AND NETWORKING**

Time : 3 hours

Maximum marks : 75

**PART A — (5 × 5 = 25 marks)**

Answer any FIVE questions.

1. What are the goals of Network?
2. What is DCE?
3. Define Protocol.
4. What is the benefit of OSI.
5. What are the types of Communications medium in Network?
6. What is the role of Passive Hubs?
7. What is meant by Gateway?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on Topologies.
  9. Explain in detail about OSI Model.
  10. Explain in detail about types of communication medium in Network.
  11. Highlight the features of Wireless.
  12. Write short note on Protocols.
  13. Explain
    - (a) Bridges
    - (b) Routers
  14. Discuss about IPv4 Addressing in Networks.
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**PG-765**

**PGDIS-04**

**P.G. DIPLOMA EXAMINATION –  
DECEMBER 2019.**

**Information Security**

**INTRODUCTION TO INFORMATION SECURITY**

Time : 3 hours

Maximum marks : 75

**PART A — (5 × 5 = 25 marks)**

Answer any FIVE questions.

1. Write any two uses of Firewall.
2. Define Biometrics.
3. List the types of VPN techniques.
4. Define Integrity.
5. How many types of Database views available?
6. Why do we need Security in Database?
7. How to protect Desktop Systems?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on
    - (a) Smart Cards
    - (b) Biometrics.
  9. Discuss about VPN Standards.
  10. Short note on Distributed Database Security.
  11. Highlight the features of Distributed database Security.
  12. Write short note on Internet Architecture.
  13. Explain in detail about Physical Security Mechanism.
  14. Write short note on Unix security issues.
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**PGDIS-05**

**P.G. DIPLOMA EXAMINATION –  
DECEMBER, 2019.**

**Information Security**

**NETWORK SECURITY**

**Time : 3 hours**

**Maximum marks : 75**

**PART A — (5 × 5 = 25 marks)**

**Answer any FIVE questions.**

1. Define Security.
2. Define Encryption.
3. What is the purpose of Symmetric Ciphers?
4. Define Key Management.
5. What is meant by Message authentication?
6. Write any four requirements of authentication.
7. Define Hash Function.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on Steganography.
  9. Explain in detail about public key Cryptography.
  10. Discuss Elliptic curve Cryptography.
  11. Explain RSA Algorithm?
  12. Write short note on Message Authentication codes.
  13. Explain MAC Hash Function security.
  14. Discuss the principles of Block cipher.
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**PGDIS-06**

**P.G. DIPLOMA EXAMINATION —  
DECEMBER, 2019.**

**Information System**

**CYBER LAW AND CYBER SECURITY**

**Time : 3 hours**

**Maximum marks : 75**

**PART A — (5 × 5 = 25 marks)**

**Answer any FIVE questions**

1. What is meant by Cyber Security?
2. What is meant by Digital Contract?
3. What is the purpose of Cyber Crimes and Cyber Laws?
4. Define Server Security?
5. What is meant by Cyber Forensics?
6. List out the issues of Credit Card Fraud?
7. Define Email Scam?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on Digital Signature.
  9. Explain in detail about public key Cryptography?
  10. Discuss the issues of Cyber World.
  11. Highlight the features of Cyber Forensics?
  12. Write short note on Electronic Email Security?
  13. Explain Password breaking.
  14. Discuss about investigating email headers.
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