

ADCHN (Advance Diploma in Computer Hardware & Networking)

Duration : 1 Year

Eligibility : 10th Pass

Part- I

1. Computer - an Overview
2. Operating System (Windows/Linux)
3. Introduction to Word Processing
4. Introduction to Spreadsheet
5. Introduction to Presentations
6. Internet

Part-II

1. Basic Electronics
2. Atomic Structures
3. Electronic Components
4. Semi-Conductors
5. Measuring Instruments
6. Basic Digital Electronics(Number Systems, Digital Logical Gates etc.)

Part-III

1. Computer Architecture
2. Mother Board and its all components,
3. Computer Components (Input/Output Devices, Primary andSecondary Memory, Power Supply, Monitor).
4. Computer Assembling,
5. Make your own Computer
6. Operating System Installation
7. Windows
8. Vista
9. Software Installation
- 10.Trouble Shooting
- 11.Bios Setups
- 12.Identifications of Components.

Part-IV

1. Advanced Digital Electronics,
2. Binary Codes,
3. Boolean Algebra Laws,
4. Combinational and Inhibit Circuits
5. Adder and Subtractor
6. Flip-Flops and Timing Circuits
7. Digital Integrated Circuits
8. Multiplexer
9. De-Multiplexer
- 10.Shift Registers

11. Counters
12. Add on cards
13. Advanced Trouble Shooting and Maintenance

Part-V

- 1.Introduction to networking Technology
- 2.Types of Net working
- 3.Transmission Media
- 4.CAT 6 Cables
- 5.Transmission Media Adapter
- 6.Network Topologies
- 7.Network Architectures
- 8.Networking an Internet Connection with Group Computers
- 9.Raid Configuration with Hard disk
- 10.Windows 2003 /2008 Server
- 11.Windows 7 Net Working Features.

Part-VI

- 1.Introduction to Laptops
- 2.Portable System background
- 3.System Features
- 4.Processors
- 5.Mother Boards
- 6.Memory, Power
- 7.Expansion
- 8.Bus
- 9.Hard Disk & Removable Storage Devices
- 10.Laptop Components
- 11.Laptop Maintenance & Assembling
- 12.Linux
- 13.Multimedia
- 14.Internet
- 15.Computer VIRUS

Part-VII

- 1.Principle and Operations for Networking
- 2.Metropolitan Wi-Fi Networking Design and Deployment
- 3.Network Security
- 4.Wireless
- 5.LAN Security Fundamentals
- 6.Wireless 802.xx Network Over view
- 7.Wireless LAN Trends and Technology.
- 8.Networking Software
- 9.Installations.



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