NETTUR TECHNICAL TRAINING FOUNDATION

DIPLOMA IN COMPUTER ENGINEERING & IT INFRASTRUCTURE –CP08
III SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: Computer Networks-II   **Total Time: 2 Hr.**
Subject Code: CP08308T   **Total Marks: 50 marks**

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING   2*8=16

1.1 What is AAA?

1.2 How to enable Portfast?

1.3 What are the benefits of wireless networks?

1.4 What are the two major functions of Router?

1.5 Which command is used to configure the static route using IPv4 and IPv6?

1.6 What are the ways an OSPF can be implemented?

1.7 What is Man-in-the-middle attack?

1.8 Write the command used to verify ACL

1.9 Write the advantages of virtualization

1.10 What is VPN?

2.0 ANSWER ANY SIX OF THE FOLLOWING   3*6=18

2.1 Explain different types of DHCP Attacks

2.2 What are the specific parameters to be configured to have a successful association of a wireless client and AP?

2.3 What are the basic wireless setup in a wireless router?

2.4 Explain about different packet forwarding mechanisms

2.5 What are the show commands used to verify the OSPF configuration?

2.6 Explain CIA security triad with neat sketch.

2.7 Write a short note on three layers of Hierarchical Networks

2.8 What are the main cloud computing services?

3.0 ANSWER ANY FOUR OF THE FOLLOWING   4*4=16

3.1 Explain the common terms used to describe a threat actor

3.2 What are the four shared key authentication techniques for wireless networks?

3.3 Explain about four elements of secure communication

3.4 Explain the different types of ISP connectivity options?

3.5 List and explain the types of VPNs

3.6 What is an ACL? How to modify an ACL?

Subject: Computer Networks & Data Communication   **Total Time: 2 Hr.**

Subject Code: CP00 03 05   **Total Marks: 50 marks**

PART B

1.0   ANSWER ANY EIGHT OF THE FOLLOWING   2*8=16

1. 1   What are the types of Character codes?

1. 2   What is the size of an IP address?

1. 3   Define Frequency Modulation.

1. 4   What is Multiplexing?

1. 5   What is User Agent in Electronic mail system?

1. 6   Define Antenna.

1. 7   What is error detection?

1. 8   List out the Design issues for layers.

1. 9   Write two disadvantage about Network.

1. 10   What are the different Channel Allocation in LAN and MANs?

2.0   ANSWER ANY SIX OF THE FOLLOWING   3*6=18

2. 1   Explain the working principle of Fiber Optics cables.

2. 2   Explain all the topology with neat diagram.

2. 3   What is the relationship between bandwidth and data rate?

2. 4   Explain types of modulation.

2. 5   What is the port number of given protocols?

FTP,TELNET,SMTP,TFTP,FINGER,HTTP,POP3,NNTP

2. 6   Write the two comparison for FDMA and TDMA.

2. 7   Write the difference between Connection oriented and connectionless.

2. 8   Explain Link State Routing.

3.0   ANSWER ANY FOUR OF THE FOLLOWING   4*4=16

3. 1   Explain about TCP/IP model.

3. 2   Explain OSI Reference Model with neat sketch.

3. 3   Briefly explain about Synchronous TDMA.

3. 4   Describe the working of Antenna.

3. 5   Explain Store-and-Forward Packet Switching.

3. 6   Explain the working of Physical layer.