

1127

B. Voc. (Hardware and Networking)
Third Semester
HWN-304: Routing and Switching

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Define the following:-

- a) Wired and Wireless Routers
- b) Unicast and Multicast delivery semantics
- c) Switching
- d) RIPv2

(4x2)

UNIT - I

II. What is a router? State its functions and different router modes.

(8)

III. Write the configuration for the following in a router:

- a) Name
- b) Password
- c) Saving and erasing the configuration
- d) Creating a login banner

(8)

UNIT - II

IV. Define Routing. Explain and compare Static and Dynamic routing in detail.

(8)

V. Explain the following and write their configuration:

- a) RIP
- b) IGRP
- c) OSPF
- d) EIGRP

(8)

UNIT - III

VI. Give a detailed explanation on switch and its types. What is the role of the switch in a network?

(8)

P.T.O.

(2)

VII. How to configure the following in switch:

- a) Setting host name
- b) Setting password
- c) IP address and default gateway
- d) Switch port security

(8)

UNIT - IV

VIII. What is a Spanning Tree Protocol? State the different operations of Spanning Tree Protocol. (8)

IX. Explain VLAN and its types? Define its various identification methods of VLAN. (8)

x-x-x