

2021

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. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Write short notes on the following:-

- a) Password Encryption
- b) RIPv1
- c) Default Gateways
- d) VLAN

(4x2)

UNIT – I

II. What is a Router? Explain various types of Routers in detail.

(8)

III. Write a note on the following:-

- a) Router Modes
- b) Configuration of Router
- c) Saving Configuration
- d) Erasing Configuration

(4x2)

UNIT – II

IV. What is the concept of Routine? Explain static Routing in detail.

(8)

V. Explain the following dynamic routing protocols:

- a) IGRP
- b) RIP

(2x4)

UNIT – III

VI. What is the role of switch in a network? Explain various types of switches in detail.

(8)

VII. Write short notes on following:-

- a) Setting host names
- b) Setting passwords
- c) Setting default Gateways
- d) Sticky MAC address '

(4x2)

P.T.O.

(2)

UNIT - IV

- VIII. What is Switching? Explain the concept of Bridging vs LAN Switching. (8)
- IX. What is Spanning Tree Protocol? Explain various operations of STP in detail. (8)

x-x-x