

2032
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. Write short notes on the following:-

- a) Configuration of Router
- b) RIPv2
- c) Sticky MAC Addresses
- d) STP

(4x2)

UNIT - I

II. What is Router? Explain the various components of Router in detail. (8)

III. Write a note on the following:-

- a) Wired and Wireless Routers
- b) Functions of Routers

(2x4)

UNIT - II

IV. Explain the concept of dynamic routing with various protocols. (8)

V. Explain the following:-

- a) Delivery Semantics
- b) Configuring and verifying RIP

(2x4)

UNIT - III

VI. What is the concept of switch? Explain various types of switches in detail. (8)

VII. Write short notes on following:-

- a) Setting host names
- b) Setting passwords
- c) Setting IP Addresses
- d) Switch Port Security

(4x2)

P.T.O.

(2)

UNIT - IV

- VIII. What is Switching? Explain the various switching services. (8)
- IX. What do you mean by VLAN? Explain the types of VLAN in detail. (8)

x-x-x