

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 a short notes on the following:-

- a) OSPF
- b) VLAN
- c) Managed and Unmanaged Switch
- d) Password Encryption

(4x2)

UNIT - I

II. How to configure the following in a router?

- a) Name of the router
- b) Router Password
- c) Creating a login banner for a router
- d) Saving configuration

(8)

III. What is a router? What are its functions? State various router modes

(8)

UNIT - II

IV. Explain the following dynamic routing protocols:-

- a) RIP
- b) EIGRP

(8)

V. What is Routing? Differentiate between static and dynamic routing.

(8)

UNIT - III

VI. How to configure the following in a switch?

- a) Setting IP Address and Default Gateways
- b) Setting operational speed
- c) Switch Port Security
- d) Command Mode

(8)

(2)

- VII. Define Switch. Explain various types of switches in details. (8)

UNIT - IV

- VIII. Explain Spanning Tree Protocol (STP). Also explain its port states. (8)

- IX. Explain the following:-

- a) Bridging
 - b) LAN Switching
- (8)

x-x-x