R NO 30

1128

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 note on following:-

a) Routing

b) IGRP

c) Switching

d) Delivery semantics   (4x2)

UNIT – I

II.   Define router and its functions. State different router modes.   (8)

III. How you can configure following in a router/write steps:

a) Name of the router

b) Router password

c) Saving and erasing the configuration on the router

d) Creating a login banner for a router   (4x2)

UNIT – III

IV.   Explain Static and Dynamic routing. How you can differentiate between both of these?   (8)

V.   Explain the following dynamic routing protocols:-

a) RIP

b) OSPF   (2x4)

UNIT – IV

VI.   Give a detailed explanation on switch and its working in different layers.   (8)

P.T.O.

VII. How you can configure following in a switch, write steps:-

    a) Set host name

    b) Set password for a switch

    c) Set operational speed

    d) Command mode   (4x2)

UNIT – V

VIII. Define Spanning Tree Protocol (STP) and its different port states.   (8)

IX. Write a short note on:-

    a) VLAN

    b) VTP   (2x4)

x-x-x