

Roll.No.

25UACT5011

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.

B.C.A. - END SEMESTER EXAMINATIONS - NOVEMBER 2025
SEMESTER - V

25UACT5011 - Network Management

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Illustrate the OSI Reference Model with neat sketch.
2. Summarize the Benefits and Uses of IPv6.
3. Classify the types of Spanning-tree Protocols.
4. Explain the DHCP and its configuration.
5. Identify the remote login by using telnet and SSH.
6. Analyze EIGRP routing protocol with topology.
7. Outline the principles of QoS Mechanisms.
8. Inspect the First Hop Redundancy Protocols (FHRPs).

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Given a class 'B' network 150.1XX.0.0 /16 where 'XX' is last two digits of your College Id. Subnet this n/w into 8 subnets and for each of the subnets find the following:
 - a) Subnetwork Address
 - b) Broadcast Address
 - c) Range of addresses available for allocation to hosts
 - d) Subnetwork mask for each of the subnets
10. Discover BGP in detail.
11. Analyze CLI and Administrative Configurations.
12. Apply OSPF to the single area and configure it.
13. Examine the Extended Access – list with example.
