

BV-10-W-2016  
FACULTY OF COMPUTER STUDIES  
M.Sc. (SAN) II SEMESTER EXAMINATION WINTER 2016  
Network Administration (part-I) SAN-202 (CBCS)

(Saturday, 19.11.2016)

Time : 10.00 a.m. to 01.00 p.m.

Time : Three Hours

Maximum Marks : 75

- N.B. :- (i) All question are compulsory.  
(ii) Assume suitable data if necessary.

- Q. 1 Attempt any three of following. 15
- a) Explain OSI reference model in detail.
  - b) Explain concept of Data Encapsulation.
  - c) Explain IP addressing in detail.
  - d) Write a short note UTP cable.
  - e) Explain switching logic in detail.
- Q. 2 Answer the following (any three) 15
- a) Explain TCP/IP Reference model in detail.
  - b) Explain IP Datagram in detail.
  - c) Explain concept of CISCO switch.
  - d) How to configure static route.
- Q. 3 Solve the following. (any three) 15
- a) How to configure Default route.
  - b) Explain Routing protocol in detail.
  - c) Explain CSMA/CD
  - d) Explain concept of Ethernet.
- Q. 4 Answer the following (any three) 15
- a) How to configure RIP protocol.
  - b) Explain HUB/switch devices
  - c) Explain VLAN
  - d) Explain Transmission media in detail.
- Q. 5 Write a short note (any three) 15
- a) RIPx2
  - b) How to configure connected route.
  - c) Explain Function of NIC
  - d) Extended ping
  - e) Bridge.