M.Sc. Information Technology Ist Semester

MIT-104 : NETWORK OPERATING SYSTEMS

Time Allowed—Three Hours]   [Maximum Marks—100

Note :—Attempt **FIVE** questions, selecting at least **ONE** question from each part. The **Fifth** question may be attempted from any part.

PART—A

1. (a) Discuss the essential features of a Network Operating System.   10

   (b) What is MySQL ? Discuss its advantages and limitations in detail.   10

2. Discuss the architecture of Windows 2003 in detail.   20

PART—B

3. (a) What is DNS server ? Discuss the various ways in which it can be installed in Windows 2003.   5

   (b) Explain the concept of Forward and Reverse Lookup zones in DNS.   5

   (c) Explain various types of records that can be created in DNS Zone files.   10

4. Discuss the following disk configurations in detail :

   (i) Mirror Volumes

   (ii) Spanned Volumes

   (iii) Stripe Sets

   (iv) Stripe Set with Parity.   20

PART—C

5. Explain the use of performance monitor tool in Windows 2003.   20

6. (a) What is the advantage of creating groups in Windows 2003 ? Discuss types of groups in Windows 2003, mentioning the pre-existing groups/special groups.   10

   (b) How can you troubleshoot user accounts in Windows 2003 ?   10

PART—D

7. (a) Differentiate between Logs and Alerts. How will you set up alerts in Windows 2003 ?   10

   (b) Explain the following :

   (i) Event Viewer   5

   (ii) Network and Process Objects.   5

8. Write a short note on following :

   (a) Linux as Network Operating System   5

   (b) Audit Policy   5

   (c) Distributed Systems   5

   (d) Telnet.   5