Paper 6 : COMPUTER NETWORKING & INTERNET TECHNOLOGY - 2009

Note : Attempt one question from each Unit.

UNIT - 1

1. (a) What are the criteria of Computer Networking ? Explain.
   (b) Explain different types of topology used for LAN.

OR

2. (a) What do you understand by protocol ? Explain different types of protocol for LAN.
   (b) Differentiate LAN with MAN and WAN.

UNIT - 2

3. (a) What is the benefit of layered architecture ?
   (b) Write a short note on functions of Data Link Layer.

OR

4. (a) Differentiate OSI reference model with TCP/IP model.
   (b) Explain in which layer of OSD reference model the following devices worked and why :
   (i) Router
   (ii) Network Interface Card (NIC)
   (iii) Bridge

UNIT - 3

5. (a) What is benefit of digital communication over analog communication ?
   (b) What is the role of DTE-DCE in Computer Network ?

OR

6. (a) Explain different types of transmission circuits.
   (b) Explain working mechanism of a modem.

UNIT - 4

7. (a) Write the application of Internet in detail.
   (b) Write HTML program to create two frames on web page.

OR

8. (a) Explain the architecture and benefit of Client- Server model.
   (b) What is CGI ? What are the drawbacks of CGI ?

UNIT - 5

9. (a) What are the characteristics of JAVA applet ? How it is different from Java Script ?
   (b) Write a Java Script Code to display current date.

OR

10. (a) Explain what Java Scrite can do. What it cannot ?
    (b) What is Casecading Style Sheet (CSS) ? Explain in detail.