

Roll No. ....

**Subject Code—675-X**

**M.C.A. (Third Year) EXAMINATION**

**(5 Years Integrated Course)**

**(Re-appear)**

**MCA-304**

**INTERNET FUNDAMENTALS**

*Time : 3 Hours*

*Maximum Marks : 100*

**Note :** Attempt any *Five* questions. All questions carry equal marks.

1. Explain the differences between LAN, WAN and MAN. Also explain commands like PING and Traceroute useful in LAN.
2. Explain IP addresses and IP datagrams.
3. Explain FTP, Telnet and Gopher in detail.
4. Explain error correction and error detection in detail.

5. Explain WWW pages in detail. Also explain CGI technology.
6. Explain E-mail in detail.
7. Explain how network security is maintained in today's environment.
8. Write short notes on the following :
  - (a) TCP
  - (b) Growth of Internet
  - (c) Future of IP.