BACHELOR IN COMPUTER APPLICATIONS

Term-End Examination

June, 2008

BCS-061 : TCP/IP PROGRAMMING

Time : 2 hours   *Maximum Marks : 60*

Note :   *Question number 1 is* **compulsory.** *Answer any* **three** *questions from the rest.*

1. (a) Explain the TCP header format in detail.   10

    (b) Differentiate between ARP and RARP.   5

    (c) What is a DNS server ? Differentiate between primary and secondary DNS server.   2+3

    (d) Differentiate between POP and IMAP protocols.   5

    (e) Differentiate between active and passive socket.   5

2. (a) Explain the IPv4 header format in detail.   7

    (b) Differentiate between interactive and concurrent programs.   3

3. (a) Discuss the role of Bind System Call in detail. 5

   (b) With the help of diagram explain UDP client/server architecture. 5

4. (a) Explain DDNS in detail. 5

   (b) Explain MIME in detail. 5

5. Explain the syntax of the following system calls alongwith the meaning of parameters used by them : 10

   (i) read( )

   (ii) write( )

   (iii) sendto( )

   (iv) recv( )

   (v) accept( )