

Code No: MC1352/R13**MCA V Semester Regular/ Supplementary Examinations, November-2016****NETWORK PROGRAMMING****Time: 3 Hours****Max. Marks: 60**

*Answer Any FIVE Questions
All Questions Carry Equal Marks*

1. a List and explain the standard internet services. [6]
b Discuss different UNIX standards in detail. [6]
2. a Compare and contrast between TCP and UDP. Draw the protocol stack for both. [6]
b Discuss in detail about termination of server process. [6]
3. a Write short notes on the following with syntax [6]
i) Readn()
ii) Writen()
iii) Readline()
b Show the function call sequence in TCP Client/Server communication with a neat diagram and explain each function. [6]
4. a Explain in detail about connect and bind functions. [6]
b Write the procedure to implement UDP echo server and echo Client. [6]
5. a Explain the features of [6]
i) I/O Multiplexing
ii) Signal driven I/O
iii) Asynchronous I/O
b Discuss the generic socket options in detail. [6]
6. a Write a C program to implement getaddrinfo() function. [6]
b State the purpose and usage of UDP sockets and explain their different functions. [6]
7. a Explain the concept of FIFOs. [6]
b Discuss the steps that normally take place in a remote procedure call. [6]
8. a Explain about terminal modes and rlogin. [6]
b Illustrate how a process can communicate with other process using a Pipe. [6]
