

- (b) (i) Describe about socket address structures and conversion functions with byte ordering. (8)
 - (ii) Explain about socket, connect, bind, listen and accept functions. (8)
12. (a) (i) Create a TCP socket for acting as a multiple servers and echoing the information from the Client. (10)
- (ii) Write notes on Server Process Crash and Server host crash process. (6)

Or

- (b) (i) Explain in detail the different I/O multiplexing Models. (10)
 - (ii) Brief about select function and shut down functions. (6)
13. (a) (i) Describe about the different socket options for Internet operation and control. (10)
- (ii) Discuss IPv6 support in Domain Name System? (6)

Or

- (b) (i) Explain the purpose and usage of UDP sockets and their different functions. (10)
 - (ii) Brief the way in which a TCP client server different from UDP client server. (6)
14. (a) (i) Elaborate about raw sockets creation, input and output. (10)
- (ii) Mention the purpose of trace route program. (6)

Or

- (b) (i) Explain how a TCP echo server using threads is created and also give their advantages. (10)
 - (ii) Write a short note on mutexes and condition variables. (6)
15. (a) Explain the architecture of SNMP entity and traditional SNMP manager, as specified in RFC2271.

Or

- (b) (i) What is meant by trap-directed polling? Discuss. (6)
- (ii) Explain in detail the proxy configuration. (6)
- (iii) List the limitations of SNMP. (4)