

Anna University– Regulation 2013

(Part – B) Important Questions – 8 th Semester BE/BTECH

IT6008 NETOWRK PROGRAMMING AND MANAGEMENT

Part B & Part C Important Questions

1. Discuss about the following scenarios of server operations
 - (i) Crashing of server host.
 - (ii) Crashing and rebooting of server host.
 - (iii) Shutdown of server host.
2. Explain in detail about TCP/IP protocols for internetworking and management.
 - (ii) Write notes on Iterative server and Concurrent server operations.
3. Explain the following concept:
 - (a) Server with multiple clients
 - (b) Server process crashes (c) PoJiction.
4. Explain iterative TCP echo server with I/O multiplexing
5. Describe about the different socket options for Internet operation and control. (6 marks)
6. Explain the socket functions for SCTP one-to one style with neat diagram
7. Explain simple SCTP streaming echo client and server operations with the functio
8. Explain the socket functions for SCTP one-to many style with neat diagra
9. Write short notes on (i) Mutexes (ii) Condition Variables (iii) Multiplexin thrids
10. Describe the operation of PING program with neat diagram.
11. Write notes on (i) raw socket creation (ii) raw socket output
12. List the practical issues of SNMPv1 protocol and exai itt
13. Explain the syntax of the various SNMPv1 message f is s ts.
14. (i) Write notes on the following: (a) Management Sikon Management Agent (c) Management Information base (d) Network Management protocol (10 marks)
15. (i) Explain in detail the working of SNMPv1 . (ii) What are MIBs? Explain the MIB structure in detail

16. (i) Describe the architecture of RMON configuration. (ii) State and explain the drawbacks of SNMP

17. Describe the features of SNMPv. Discuss the limitations of SNMPv1 that lead to the introduction of SNMPv2

18. (i) What are the types of management information, provided by SNMPv2? (ii) State and explain the benefits of SNMP

Part C Important Questions

1. (i) Compare SNMPv2 and SNMPv3. (8) (ii) Write note on RMON.

2. Explain data types in UNIVERSAL class of ASN.1 for SNMP MIB.

3. Describe Race4 in detail with an example

4. i) Compare Fork and Thread b) Wait and Waitpid. (ii) Write a C program that can generate an ICMPv4 echo request packet and process the received ICMPv4 echo reply

5. Write a program that checks all the socket options of a socket and sets the value for receiver buffer size to 520 bytes.

6. Compare the IPv4, IPv6 and UNIX domain socket address structures.

7. (i) Describe about socket address structures and conversion functions with byte ordering. (ii) Explain about socket, connect, bind, listen and accept functions