Code No: 156CA

R18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, August/September - 2021
NETWORK PROGRAMMING
(Common to CSE, IT)

Time: 3 Hours   **Max. Marks: 75**

Answer any five questions
All questions carry equal marks
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1.   Explain the following functions in TCP sockets:
     a) listen()
     b) bind()
     c) accept()   [5+5+5]

2.a)   Explain in detail about address conversion functions.
  b)   Discuss the syntactical issues of various address conversion function.   [7+8]

3.a)   Describe briefly about UDP Echo Client/server.
  b)   Explain Lack of flow control with UDP.   [7+8]

4.a)   Explain in detail about the TCP Echo client server with suitable diagram.
  b)   Explain Crashing and Rebooting of server host shutdown of server host.   [7+8]

5.a)   Explain in detail about the differences between TCP Sockets and UDP Sockets.
  b)   Explain the following functions:
       i) recv()
       ii) send().   [7+8]

6.a)   Explain Generic socket options in IPV6.
  b)   Explain the following functions:
       i) readv()
       ii) writev().   [7+8]

7.   Explain the following:
     a) syslog Function
     b) daemon_init Function
     c) inetd Daemon
     d) daemon_inetd Function.   [15]

8.a)   Explain how to examine the UDP checksum field with an example.
  b)   Describe ICMP message Daemon.   [7+8]

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