

B.Sc. Semester VI (Honours) Examination, 2020-21

COMPUTER SCIENCE

Course ID: 61517

Course Code: SH/CSC/604/DSE-4

Course Title: Network programming

Time: 1 Hour 15 Minutes

Full Marks: 25

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.

1. Answer any five questions: 1x5=5
 - a. Write differences between TCP and UDP.
 - b. What do you mean connection-oriented service?
 - c. What is MTA?
 - d. What is socket?
 - e. What is MIME?
 - f. What do you mean by Echo?
 - g. What is server?
 - h. What is RPC?
2. Answer any two questions: 5x2=10
 - a. Discuss TCP client server briefly.
 - b. How to differentiate Echo services in TCP and UDP? How Echo services are activated and de-activated?
 - c. Explain TCP Segment briefly.
 - d. Write short notes on HTTP and E-mail.
3. Answer any one question: 10x1=10
 - a. What is datagram? Draw and explain IP datagram format with its different features. Discuss its merits and demerits. 2+5+3=10
 - b. Explain UDP sockets briefly. How does address look up work using sockets? 6+4=10

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