

**B.Sc. Semester-VI Examination, 2022-23****COMPUTER SCIENCE [Honours]**

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 right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I**1. Answer any **five** questions from the following:

1×5=5

- Write the meaning of ICMP and IGMP.
- Write differences between TCP and UDP.
- What is TCP segment?
- What is socket?
- What are the two important TCP Socket classes?
- Define router.
- What is multicasting?
- Write two important features of IPv6.

**UNIT-II**2. Answer any **two** of the following questions:

5×2=10

- Explain TCP segment briefly.
- Explain about socket, connect, listen, accept and bind functions.
- What is Waitpid function? Explain I/O multiplexing. 2+3=5
- Write short notes on WWW, Remote login.

**UNIT-III**3. Answer any **one** of the following questions:

10×1=10

- Discuss any four TCP socket option in detail.
- Brief the way in which a TCP client server different from UDP client server. Explain UDP server and UDP client. 6+4=10

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