**United College of Engineering and Research, Prayagraj**

**Department of Computer Science and Engineering**

**Computer Network (KCS-603)**

**Assignment-4**

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| **Q. No.** | **Question** | **CO** | **Bloom’s level** |
|  | Enumerate how the transport layer ensures that the complete message arrives at the destination and in proper order. | CO4 | L2 |
|  | Explain the three way handshaking protocol in establish the transport level connection. | CO4 | L3 |
|  | Explain about the TCP header with header diagram and working of TCP protocol and differentiate between TCP and UDP with frame format. | CO4 | L2 |
|  | Explain TCP congestion control algorithm in internet. What is TCP segment header? Also discuss TCP connection management. | CO4 | L2 |
|  | The following is the dump of a TCP header in hexa decimal format: 05320017 00000001 00000000 500207FF 00000000  (i) What is the sequence number?  (ii) What is the destination port number?  (iii) What is the acknowledgment number?  (iv) What is the window size? | CO4 | L3 |
|  | How does transport layer perform duplication control? | CO4 | L2 |
|  | What are the problems for full implementation of voice over IP. | CO4 | L1 |
|  | What do you understand by Quality of service, parameters? List various Quality of service parameters. | CO4 | L2 |
|  | Provide few reasons for congestion in a network. | CO4 | L2 |
|  | What are the services of Transport Layer? | CO4 | L2 |