CSE 306 Computer Network

Assignment-2

Important points related to assignment

a. Max Marks 30
b. Submission Date 31 March 2022
c. Attempt All Question
d. Student needs submit the CA in an online mode by uploading on
e. Student is also requested to write his/her name, registration number and roll number on all the sheets.
f. Submission of assignment over UMS only in hand written mode

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[1] Explain in detail with diagram about IP header [5]

[2] Write a short note on Shannon Capacity and Nyquist Formula with example [5]

[3] A customer asks for a block of 64 addresses from ISP. If ISP designs the address in classless address scheme, what range of address can be provided to the customer in the block 185.10.X.X/16 [5]

[4] Compare datagram services with virtual circuit [5]

[5] The even parity hamming code from the above example (111001101) is transmitted and the received code is (110001101). From the received code detect and correct the error [5]

[6] Explain different flow control mechanism using suitable example [5]