

Q1 what is meant by data Packets and in which form data has been transmitted?

Q2 what is meant by Full/Half and simple duplex?

Q3 which types of data transmission has been used in the following

1. Data is sent one bit at a time in one direction
2. Data is being sent 20 bits at a time in both direction simultaneously
3. Data is being sent one bit at time in both direction simultaneously
4. Data is being sent 16 bit at a time in one direction

Q4 define the error checking methods

Q5 why parity check is used

Q6 define the algorithm of checksum Notes

Q7 define the Algorithm of Echo check notes

Q8 define the Check Digit Algorithm and also solve the Question that is mention below

- a. 909812123544 use both ISBN 13 and Modulo 11
- b. 978151045759 use ISBN 13 and also apply the re-calculation to check your answer
- c. 213111000428 use modulo 11

Q7 what is meant by encryption and decryption why do we encrypt our data and what is it called after the data is encrypted?

Q8 Explain the concept the of public and private key with example