Now, let’s see the difference between Synchronous and Asynchronous Transmission:

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| S.NO | Synchronous Transmission | Asynchronous Transmission |
| 1. | In Synchronous transmission, Data is sent in form of blocks or frames. | In asynchronous transmission, Data is sent in form of byte or character. |
| 2. | Synchronous transmission is fast. | Asynchronous transmission is slow. |
| 3. | Synchronous transmission is costly. | Asynchronous transmission is economical. |
| 4. | In Synchronous transmission, time interval of transmission is constant. | In asynchronous transmission, time interval of transmission is not constant, it is random. |
| 5. | In Synchronous transmission, There is no gap present between data. | In asynchronous transmission, There is present gap between data. |
| 6. | Efficient use of transmission line is done in synchronous transmission. | While in asynchronous transmission, transmission line remains empty during gap in character transmission. |
| 7. | Synchronous transmission needs precisely synchronized clocks for the information of new bytes. | Asynchronous transmission have no need of synchronized clocks as parity bit is used in this transmission for information of new bytes. |