DIFFERENCES BETWEEN OSI AND TCP/IP.

|  |  |
| --- | --- |
| OSI | TCP/IP |
| * It is developed by ISO (International Standard Organization) | * It is developed by ARPANET (Advanced Research Project Agency Network) |
| * Provides a clear distinction between interfaces, services and protocols. | Doesn’t have any clear distinctions between services, protocols and interfaces. |
| * Refers to Open Systems Interconnection. | * Refers to Transmission Control Protocol. |
| * Uses the network layer to define routing standards and protocols. | * Uses only the internet layer. |
| * Follows a vertical approach. | * Follows a horizontal approach. |
| * Have seven layers. | * Have four layers. |
| * The transport layer is the only connection-oriented field. | * A layer of the TCP/IP is both connection-oriented and connectionless. |
| * The data link layer and physical layers are separate. | * Physical and data link are both combined as a single host-to-network layer. |
| * Session and presentation layers are part of the OSI model. | * There is no session and presentation layer in the model. |
| * It is defined after the advent of the internet. | * Defined before the advent of the internet. |
| * Minimum size of the header is 5 bytes. | * Minimum size of the header is 20 bytes. |

