***Differences between OSI model and TCP/IP model***

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| OSI MODEL | TCP/IP MODEL |
| * It is a structured model which deals with the functioning of a network. * In 1984, the OSI model was introduced by the International Organisation of Standardization (ISO). * It comprises seven layers: * Physical * Data Link * Network * Transport * Session * Presentation * Application * It follows a vertical approach. * An OSI Model is a reference model, based on which a network is created. * It is protocol independent. * The full form of OSI is Open Systems Interconnection. | * It is a communication protocol that is based on standard protocols and allows the connection of hosts over a network. * In 1982, the TCP/IP model became the standard language of ARPANET. * It comprises of four layers: * Network Interface * Internet * Transport * Application * It follows a horizontal approach. * The TCP/IP is the implementation of the OSI Model. * It is protocol dependent. * The full form of TCP/IP is Transmission Control Protocol/ Internet Protocol. |