Comparison b/w OSI reference model and TCP / IP Protocol :

ASPECT	TCP/IP PROTOCOL SUITE	OSI REFERENCE MODEL
Number of Layers	Four main layers: Application, Transport, Internet, Link.	7 layers : Physical, Data Link, Network, Transport, Session, Presentation, Application.
Development	Developed by the U.S. Department of Defense (DOD).	Developed by international Organization for the Standardization (ISO).
Practicality	Widely implemented and used in real-world networks.	More of a theoretical model, less commonly implemented.
Protocol Suite	Include protocols like TCP, IP, UDP, ICMP & others.	Framework for understanding networking, not a specific set of protocols.
Scope	Primarily focuses on inter-networking & internet protocols	Provides a comprehensive model for understanding network communication.
Flexibility	Flexible & adaptable to different networking environments.	Less flexible due to its rigid layer structure.
Adoption	Dominant protocol suite for internet communication.	Not widely adapted in practice, used primarily for educational purposes.