

# Tutorial - 02 - CN

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Q-1

Difference / Compare ATM and ISDN

⇒ Asynchronous Transfer Mode (ATM)	Integrated Services Digital Network. (ISDN)
<ul style="list-style-type: none"> <li>• It uses packet switching communication</li> <li>• It is a variable bandwidth communication</li> <li>• It is connection-oriented which establishes a logical connection b/w end points before commencement of data exchange</li> </ul>	<ul style="list-style-type: none"> <li>• It uses circuit switching</li> <li>• ISDN is a point to point fixed communication.</li> <li>• It delivers at minimum two simultaneous connections</li> </ul>

Q-2

Compare Classical IP over ATM

- Ans
- Classical IP is connectionless whereas
  - ATM is connection oriented.
  - It means in ATM a connection needs to be established b/w two parties before they can send data to each other.
  - On contrary, in IP, it is connectionless so that no connection is needed and each IP packet is forwarded by routers independently on a hop-by-hop basis.