**Answer:** **(C)**   
  
**Explanation:** TCP (Transmission Control Protocol) and UDP(User Datagram Protocol) are two main transport layer protocols.

TCP is connection oriented and UDP is connectionless, this makes TCP more reliable than UDP. But UDP is stateless (less overhead), that makes UDP is suitable for purposes where error checking and correction is less important than timely delivery.

For real time multimedia, timely delivery is more important than correctness. –> UDP

For file transfer, correctness is necessary. –> TCP

DNS, timely delivery is more important –> UDP

Email again same as file transfer –> TCP