

- Because of syllabus changes, no longer applicable: 2018 P5 Q8; 2015 P5 Q8; 2014 P5 Q9 (a); 2013 P5 Q9; 2011 P5 Q8 (b).

RPC

- [y2016p5q9](#)
 - [A]Syn, Idempotence
 - (b) Distributed-filesystem clients
- [y2017p5q8\(b\)](#)
 - at-least once semantics
- [y2014p5q9](#)
 - Quorums

Clock

Physical clock

- [y2014p5q7](#)
- [y2019p5q7 \(a\)](#)
 - NTP, drift and skew

Logical clock and event ordering

- [y2020p5q8 \(a-c\)](#)
 - happens-before relationship
 - Lamport ts, total ordering
- [y2015p5q9 \(b\)](#)
 - Casual vs Total ordering
- [y2019p5q7 \(b\)](#)
 - Lamport, vector clock
- [y2017p5q9](#)

Broadcast

- [y2010p5q6](#)
 - Causal order
- [y2020p5q8 \(d,e\)](#)
 - FIFO, FIFO-total order
- [y2015p5q9 \(a\)](#)
 - (c) A replicated database

Raft

- [y2021p5q8](#)

Replication

- [y2012p5q9](#)
 - weak consistency and strong consistency