

Fault Tolerance

Name:

Roll No:

1. Calculate the latency jitter of a high level PAR protocol that allows three retries, assuming that the lower level protocol used for this implementation has a d_{\min} of 5 msec and a d_{\max} of 20 msec. Calculate the error detection latency at the sender if the time out is set to at least 14 msec.

2. For a safety critical application, what are the requirements of a communication system?

3. What is thrashing? If thrashing is observed, how should one react to it in a time-triggered system and in event-triggered system?