

1. Given a digital transmission link and a multi-path environment shown. Let  $s(t)$  be the transmitted signal.  $s(t)$  is a sequence of BPSK modulated pulses, each pulse is  $b(*)$  is sent at intervals  $T$  and is sent either as  $+b(*)$  or  $-b(*)$  for  $+1$  or  $-1$  resp.

