

Take Test: Test 1 (2018-19)

Test Information

Description

Instructions


Timed Test This test has a time limit of 1 hour. This test will save and be submitted automatically when the time expires.
Warnings appear when **half the time, 5 minutes, 1 minute, and 30 seconds** remain.

Multiple Attempts This Test allows 3 attempts. This is attempt number 1.

Force Completion This Test can be saved and resumed at any point until time has expired. The timer will continue to run if you leave the test.

This test does not allow backtracking. Changes to the answer after submission are prohibited.

Close Window

 Moving to the next question prevents changes to this answer.

Question 7 of 10 >

Question 7

10 points

Save Answer

With reference to SISO wireless channels, which of the following statements is correct?

- (a) If the displacement of a wireless receiver is less than the "coherence distance" D_{coh} then the channel experiences small-scale fading.
- (b) The "coherence distance" D_{coh} is the largest distance that a wireless receiver can move with the channel appearing to be variable.
- (c) If the transfer function of a wireless channel varies with time then "space-selectivity" and "spatial-coherence" are identical concepts.
- (d) "Fast fading" implies that the magnitude of the transfer function of a wireless channel varies with time in the interval $nT_{cs} < t < (n+1)T_{cs}$ with T_{cs} denoting a channel symbol duration and n is an integer.
- (e) None of the above.

- ☐ a
- ☐ b
- ☐ c
- ☐ d
- ☐ e



Moving to the next question prevents changes to this answer.

Question **7** of **10**

Close Window