

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.

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Question 4


10 points


Save Answer

The impulse response of an approximate-matched filter, matched (at time T_o) to the signal $\Lambda\left\{\frac{\tau}{2T}\right\}$ in the presence of non-white noise of autocorrelation function $R_{nn}(\tau) = \Lambda\left\{\frac{\tau}{2T}\right\}$ is

- (a) $\delta(t)$;
- (b) $\delta(t - T_o)$;
- (c) $\text{sinc}^2(f2T_o)$;
- (d) $2T_o\text{sinc}^2(f2T_o)$;
- (e) none of the above.

- ☐ a
- ☐ b
- ☐ c
- ☐ d
- ☐ e

 Moving to the next question prevents changes to this answer.

Question **4** of **10** 

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