

Started on

Thursday, 22 May 2025, 10:50 AM

State

→ Finished

Completed on

Thursday, 22 May 2025, 10:54 AM

Time taken

4 mins 38 secs

Marks

3.00/5.00

Grade

2 6.00 out of 10.00 (60%)

Question 1 Flag question

Complete

Mark 1.00 out of 1.00

ECTE203_Q5

The following noise with length of 200 can be generated via option _____. wis a normally distributed with mean of 4 and variance of 3.

$$w = sqrt(3)*randn(1, 200) + sqrt(4);$$

Complete

Mark 0.00 out of 2.00

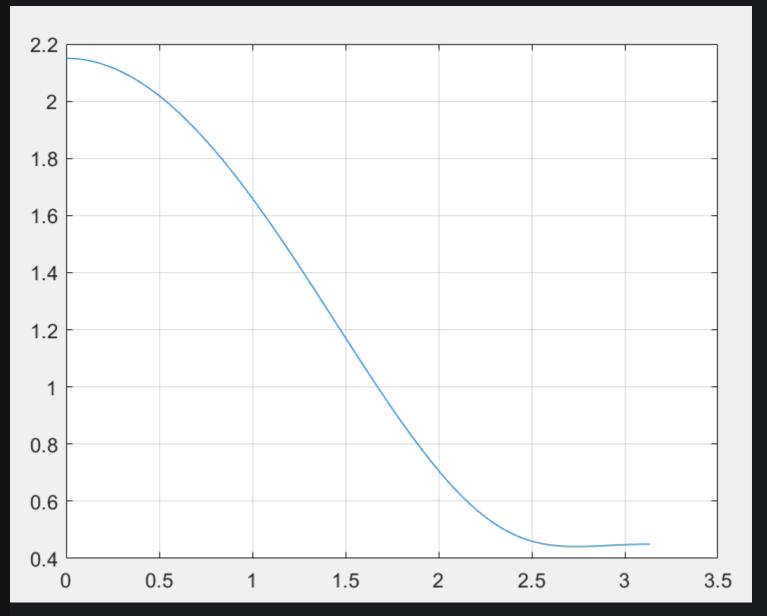
ECTE203_Q5

The result of this filter is given in the figure below.

$$B = [1 + 0.85 + 0.3];$$

$$A = [100];$$

Identify the type of the filter. This is the magnitude response.





b. IIR, Low Pass

c. IIR, High Pass	
d. FIR, High Pass	
Question 3	Flag question
Complete Mark 1.00 out of 1.00	
ECTE203_Q5 The following operation is auto-correlation:	
n = 0:0.1:10;	
x = 5 * sin(2*pi*n*10 + pi/2);	
y= (n>=2) - (n>=6);	
<pre>[Rx,L] = xcorr(x);</pre>	
Select one:	
True	
False	
ruise	

Question 4					Flag question
Complete	Mark 1.00 out of 1.00				
ECTE203_Q5 The autocorrelati at 0.	on of a zero-mean v	white noise seque	ence with varian	ce of 4, will gene	rate a peak of
a. 16					
b. 2					
© c. 4					
d. 8					
					Finish review