

1. E - Increase or Stay
2. A - On the $j\omega$ axis
3. A - Zero dB
4. B - Zero
5. A - True
6. D
7. D - $s=0$
8. A - $s=0/s=+-j\omega z$
9. A - Stable
10. D - The Unit Circle
11. C - 1,-2,1
12. B - It would depend on the filters specifications.
13. C - IIR and Unstable
14. C - 5
15. D
16. D - -2dB at CF
17. B
18. B
19. A
20. B

I affirm that I have not received help on this exam, and that all work is my own. Christian Johnson