PSPICE Assignments #5

1. Design Chebyshev filter using Tow-Thomas structure in accordance with the following specifications. Use an opamp component in the pspice basic library. (DO NOT change opamp metric)
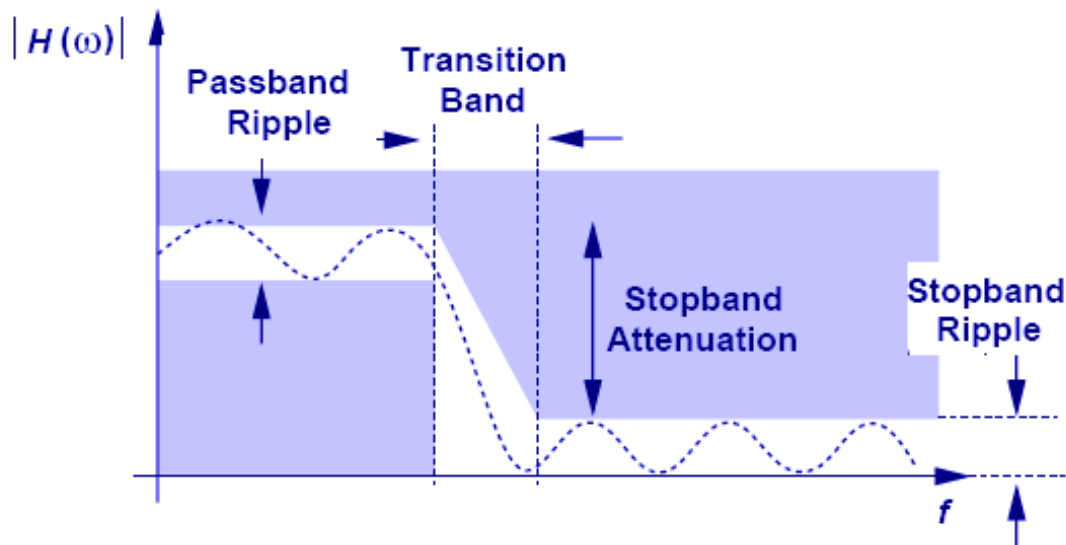
-   Passband ripple < 1dB
-   Bandwidth(w_0) : 10MHz
-   Attenuation at 20MHz > 33dB

a) Determine the order of the filter to meet those specifications.
b) Calculate the poles.
c) Show your design including values of the parameters.
d) Attach your simulation result that shows your design satisfies the specifications.