

# Solution of ECE 315 Test #12 F02

For each circuit below the transfer function is the ratio,  $H(f) = \frac{V_o(f)}{V_i(f)}$ . Write in each blank the letter designations of all circuits that fit the description to the left. (If no circuits fit just write “none”.)

1. Zero transfer function at  $f = 0$  b,c,e,h
2. Zero transfer function at  $f \rightarrow +\infty$  b,d,f,h
3. Transfer function magnitude of one at  $f = 0$  a,d,f,g
4. Transfer function magnitude of one at  $f \rightarrow +\infty$  a,c,e,g
5. Transfer function magnitude non-zero and phase of zero at some frequency,  $0 < f < \infty$ , (at a finite, non-zero frequency). b,h

