

Student Name (print): _____ (sign): _____

Table 3.1: Part A: Peak Output of Filter with Sinusoidal Input

Frequency	Value
$f_o = \frac{1}{16}$ cycles/sample	
f_{3dB}	

Table 3.2: Part B: Peak Output of Scaled Filter

Signal	Value
worst-case	
$f_o = \frac{1}{16}$ cycles/sample	
f_{3dB}	

Table 3.3: Part B: Headroom Calculation

Parameter	Value
$f_o = \frac{1}{16}$ cycles/sample	
Maximum filter output	
Headroom ratio	

Approximate number of hours spent on deliverable: _____

For Exam Invigilator Use: _____

- verify magnitude response of filter in part A: _____
- verify magnitude response of filter in part B: _____