

## Satisfactory Responses

### Question 1

To determine sampling frequency, should have looked for the input frequency where aliasing begins or where the sound goes away.

### Question 2

Should have drawn a sketch in the time or frequency domain to determine the dominant frequency component. Dominant tone is at the sampling frequency.

### Question 3

Should know how the zero-order hold affects the shape of the frequency spectrum. Spectrum is multiplied, not convolved, with a sinc.

### Question 4

The wavering nature of the output is due to beating of two frequencies. Frequency-domain sketch clearly shows why the two frequency components exist. Time-domain explanation is possible too.