

## Digital Signal Processing

### Experiment 9 – Output

The screenshot displays the Scilab 6.1.1 interface with two windows open. The left window, titled 'fir\_sampling\_method.sce', contains the following MATLAB code:

```
1 clear;
2 clc;
3 close;
4 N=7;
5 U=1;
6 for n = 0 : U-1:N-1+U
7     h(n) = (1 + 2*cos(2*pi*(n-U-3)/7))/N;
8 end
9 disp(h, "Filter Coefficients, h(n)");
10
```

The right window, titled 'Scilab 6.1.1 Console', shows the output of the code:

```
-0.1145625
0.0792797
0.3209971
0.4285714
0.3209971
0.0792797
-0.1145625
"Filter Coefficients, h(n) = "
-->
```

The Windows taskbar at the bottom shows the system clock as 14:45 on 13-10-2022, along with various application icons and system status indicators like temperature (32°C) and language (ENG).