

EE112
QUIZ 1

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1) Give commands to do the following

a) Create a directory called temp

mkdir temp ✓

b) Copy file "my.dat" to "your.dat"

cp my.dat your.dat ✓

c) Rename file "your.dat" to "new.dat"

mv your.dat new.dat ✓

d) Find the current directory?

pwd ✓

e) Find the name of the default printer.

lpstat -d ✓

2) What types of paths are there?

absolute

relative

user relative ✓

3) What is the function of the DC offset control in the function generator?

It moves the waveform up or down on the screen ✓

4) The function generator is set for a 10V p-p square wave with a zero offset. Give the DC offset required to get the signal to switch between zero V and 10V.

DC offset = 5V ✓

5) The sample rate of the MSO is 200 Msa/sec. If the Horizontal time scale time scale is 500microsecs, calculate the number of samples/division.

$$200 \times 10^6 \frac{\text{Samples}}{\text{sec}} \cdot 500 \times 10^{-6} \frac{\text{sec}}{\text{div}} = 100,000 \frac{\text{Samples}}{\text{division}}$$

