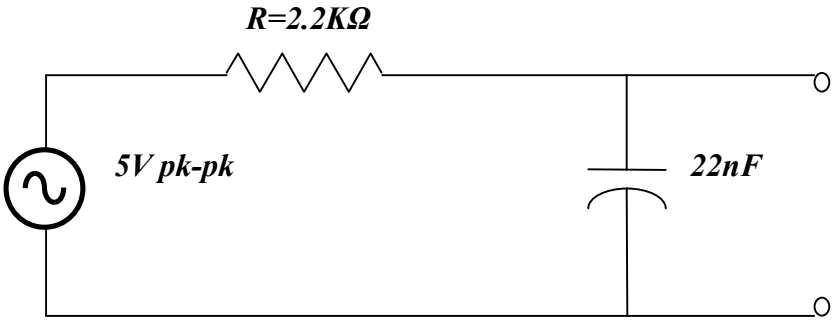
CS1025 Laboratory Experiment 4:

1) Connect the circuit shown in the following diagram:



2) Apply a sine wave input and make a superimposed plot of the input and output.

3) Determine the ratio Vout/Vin as a function of frequency starting at say 100Hz and finishing at 20KHz.

4) Plot your results on graph paper.

5) Interchange R and C and repeat 2) to 4) above.

6) These circuits are simple Low and High Pass filters respectively. Suggest some applications for them.

Laboratory Report:

Reports should be handed up at the subsequent laboratory session for your group.
Your name, group number and the date should be clearly indicated on the cover page.
The report should be written with a pen and be neat and concise (use a ruler for the circuit diagrams and tables). Explanations should be brief but complete.
Students should note that ~25% of marks are awarded for presentation, ~75% for explanation and interpretation of results.
This report should be written on A4 paper – duly bound.