

### **Analogue Filters Lab**

Plot on the same set of axes the magnitude and phase response graphs for the following normalized low pass filters of order  $N = 6$ :

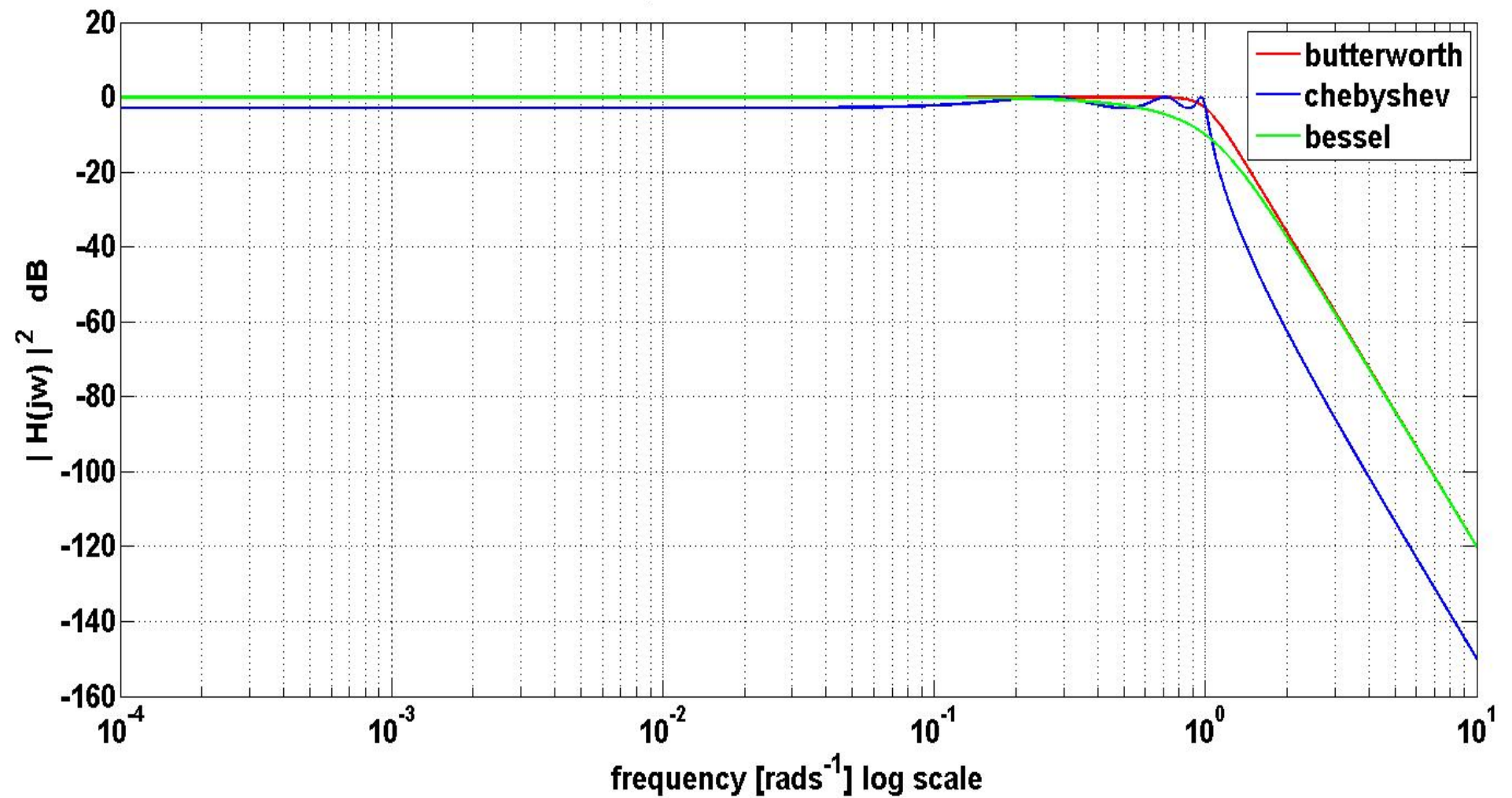
- (i) Chebychev Type I
- (ii) Butterworth
- (iii) Bessel

Make comment on the following:

- (i) The shape of each of the response plots in the passband and stop band
- (ii) Roll-off behavior of the different filter types
- (iii) Phase response behavior of the three filters

Expected results are attached here below

MAGNITUDE-SQUARED RESPONSE FOR ORDER N =6



PHASE RESPONSE FOR ORDER N =6

