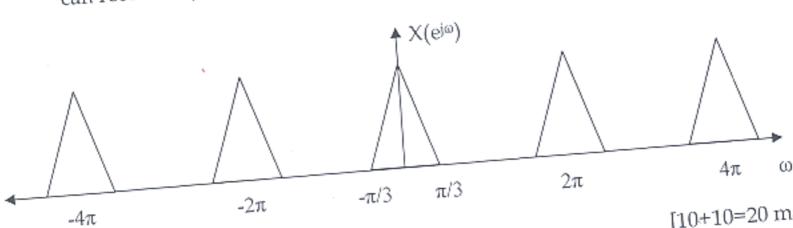
- 18. a) Derive the frequency domain representation of an M-fold down sampled and
 - b) Consider a sequence x(n) with $X(e^{j\omega})$ as shown. Let y(n)=x(3n). Show how we can recover x(n) from y(n) using filters and multirate building blocks.



[10+10=20 marks]

DR. DEEPA-P-GOPINATH APECETCE