#Assignment 4 , Q1

appl<-read.csv("C:\\satish\\IIMA\\Acads\\Term4\\AMDA\\A4\\conc.csv")

attach(appl)

names(appl)

plot(conc)

d1<-arima(conc,order=c(0,2,2))

d1

tsdiag(d1)

predict(d1,n.ahead=4)

msv<-seq(1:108)

for (d in 0:2){

for (p in 0:5){

for (q in 0:5){

d1<-arima(conc,order=c(p,d,q))

cnt<-36\*d+6\*p+q+1

msv[cnt]<-d1$aic } }}

which.min(msv)

**RESULT :** 53 ; So d=1, p=2, q=4.i.e, after taking difference of samples, AR(2), MA(4).