Nominal GDP

Year	Px	Qx	Py	Qy	Pz	Qz	Nominal GDP= PxQx + PyQy +PzQz
2009	10	1000	100	200	500	300	10000+20000+150000=180000
2010	13	1050	115	225	540	450	13650+25875+243000=282525
2011	15	1200	120	275	600	700	18000+33000+420000=471000

Real GDP

Year	Px	Qx	Py	Qy	Pz	Qz	Real GDP= $P_0 Q_x + P_0 Q_y + P_z Q_z$
2009	10	1000	100	200	500	300	10000+20000+150000=180000
2010	10	1050	100	225	500	450	10500+22500+225000=258000
2011	10	1200	100	275	500	700	12000+27500+350000=389500

GDP Deflator

GDP Defator = (Nominal GDP/Real GDP) *100

GDP Deflator for 2009 = (180000/180000) *100 = 100

GDP Defaltor for 2010 = (282525/258000) *100 = 109.50

GDP Deflator for 2011 = (471000/389500) *100 = 120.92

Inflation

For Inflation = (change in GDP Deflator/ GDP Deflator of previous Year) *100

Change in GDP Deflator = GDP Deflator of current year – GDP Deflator of previous year

For 2010 = [(109.50-100)/100] *100 =9.50

For 2011, = [(120.92-109.50)/109.50] *100 = 10.42