

Figure Caption

1. FTIR spectra of precursor and powders heated at different temperatures: (a) Precursor and intermediate; (b) Intermediate
2. XRD patterns of Fe₂O₃ Fig(a) ,CuO, Fig(b) TiO₂ Fig(c), and Cr₂O₃ Fig(d)
3. TEM image of Fe₂O₃ Fig(a) ,CuO, Fig(b) Cr₂O₃ Fig(c) and TiO₂ Fig(d),
4. Thermogravimetric curves for the decomposition of Lanthanum Oxalate mixed with various oxides LaOX (1) , LaOX + Cr₂O₃ (2), LaOX + TiO₂ (3) , LaOX + Fe₂O₃ (4), LaOX + CuO (5)
5. Derivative curves of decomposition of various samples LaOX (1) , LaOX + Cr₂O₃ (2), LaOX + TiO₂ (3) , LaOX + Fe₂O₃ (4), LaOX + CuO (5)
6. Plots of $-\log g(\alpha) / T^2$ vs $1/T$ for various samples using F₃ mechanism for two different stages of reaction.

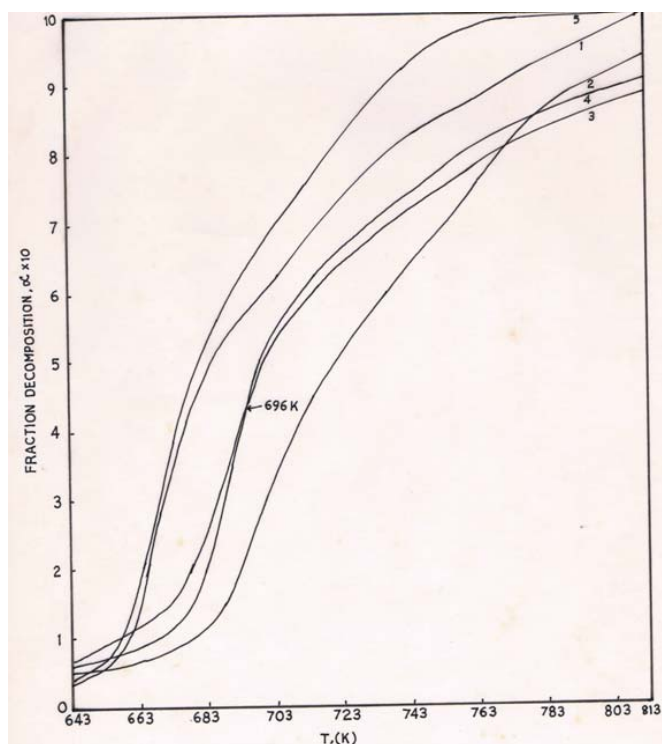


Figure 3

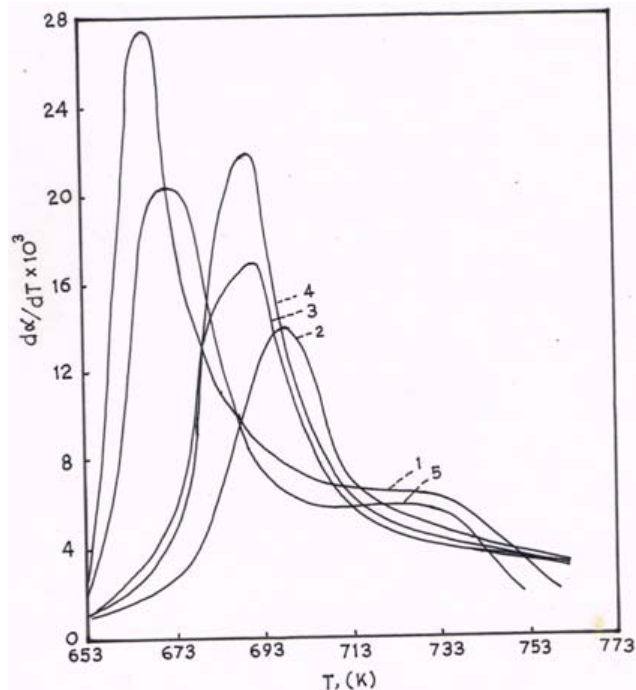
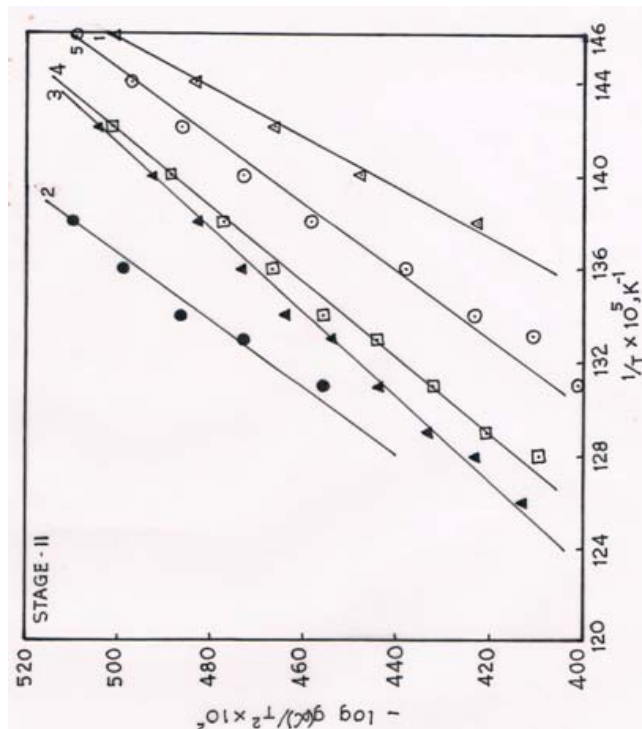


Figure 4



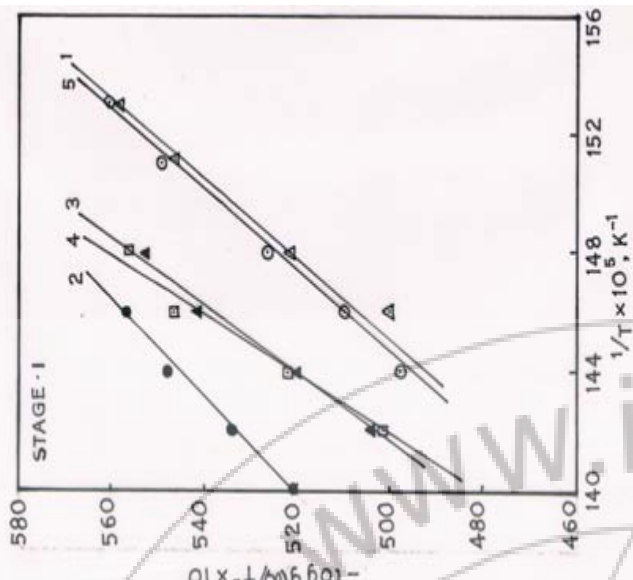


Figure 5

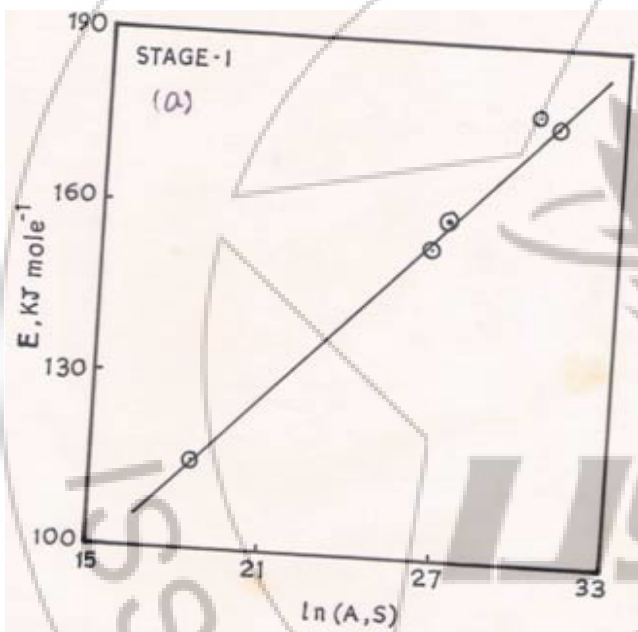


Figure 6