

Surprise Test-I

- (i) Define/write transformation law for seventh rank tensor
- (ii) Show that the rank of a tensor is reduced by two using contraction.
- (iii)

Ex. 4. The following table gives the population of a town during the last six censuses. Estimate using any suitable interpolation formula, the increase in population during the period from 1946 to 1948.

Year	1911	1921	1931	1941	1951	1961
Population in Thousands	12	15	20	27	39	52