A N-partite pure state is in the form : $|\Psi\rangle_{A_1.....A_N} \neq |\Psi\rangle_{A_1} \otimes .....|\zeta\rangle_{A_N}$ is called entaglement state.where the subindex represent of the local rank of subspace. if it could write in the following form : A N-partite pure state is in the form : $|\Psi\rangle_{A_1.....A_N} \neq |\Psi\rangle_S \otimes |\zeta\rangle_{S^-}$ is called genuniely multiparty entagled state(GME).

on the other hand,A N-partite pure state is in the form : $|\Psi\rangle_{A_1.....A_N} = |\Psi\rangle_S \otimes |\zeta\rangle_{S^-}$ is called biproduct state.

if we use this defination to mixed state:

$$\rho_A = \sum_{S|S_-} [p_{S|S_-}] \sum_i [q^i_{S|S_-} \varrho^i_s \otimes \sigma^i_s] \tag{1}$$