**البحث السادس(مشترك)**

**Title**: Estimation of Generalized Exponential Distributionbased on an Adaptive Progressively Type-IICensored Sample

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**Abstract.** In this paper, based on an adaptive Type-II progressively censored sample from the generalized exponential distribution, the maximum likelihood and Bayesian estimators are derivedfor the unknown parameters as well as the reliability and hazard functions. Also, the approximate confidence intervals of the unknown parameters, and the reliability and hazard functions are calculated. Markov chain Monte Carlo method is applied to carry out a Bayesianestimation procedure and in turn calculate the credible intervals. Moreover, results fromsimulation studies assessing the performance of our proposed method are included. Finally,an illustrative example using real data set is presented for illustrating all the inferential

procedures developed here.