First Name, Last Name: _____
Year, Study Group: _____
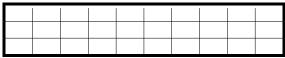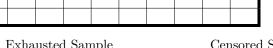Laboratory Date: _____
Worksheet Submission Date: _____

WORKSHEET RD-3

ELECTRICAL EQUIPMENT'S RELIABILITY

A. Name of the analyzed component: _____

B. Attempts' parameters: $n_0 =$_____; $r_c =$_____; $t_c =$_____; $t_t =$_____; $r_t =$_____

C. Unit for **t**: _____

1. Experimental Data

Table 1. **Primary Sampled Data**

Table 2. **Sorted Sampled Data**

Exhausted Sample
$S_E = \sum t_i =$_____

Censored Sample
$r_c =$_____
$S_c =$_____

Truncated Sample
$t_t =$_____
$r_t =$_____
$S_T =$_____

Table 3. **Grouped Data (Exhausted Sample)**

Group Index	Grouping Interval $u_i \div u_{i+1}$	Central Value u_{ci}	Δr_i	$r_i = \sum \Delta r_i$	n_i	$R = \frac{n_i}{n_0}$	$\lambda = \frac{\Delta n}{n_{i-1}} \cdot \frac{1}{\Delta t}$

2. Computed Indicators

a) Exhausted Sample

$MTBF = \frac{S_E}{n_0} =$_____; $s =$_____

b) Censored Sample

$MTBF = \frac{S_C}{r_0} =$_____; $\lambda =$_____

c) Truncated Sample

$MTBF = \frac{S_T}{r+1} =$_____; $\lambda =$_____