DATA ANALYSIS FOR COMPUTER SCIENCE - MIDTERM EXAM PROJECT

INSTRUCTIONS:

- Write **WORD PROBLEMS** (can be in tagalog) for the **EACH TOPIC** given below.
    - Paired TTest **(2 PROBLEMS)**
    - Confidence Interval for Means **(2 PROBLEMS)**
    - Confidence Interval for Proportions **(2 PROBLEMS)**

- Apply the normal curve concept to the confidence interval problems. Please keep in mind that each **CONFIDENCE INTERVAL** problem should involve **three more** questions about finding the **PROBABILITY** to be **LESS THAN a given value, BETWEEN two values,** and **GREATER THAN a given value.** Show **bell curve** for each of the questions.

- The next page of this document serves as your title page. Use **LONG BOND** paper and attach them using a stapler. The title page comes first then for the next pages, we should be able to see the word problems you created.

- You can write two problems in one long bond paper, or you may also write only one, but please keep in mind to show a **COMPLETE FORMULA**. This would mean stating the null and alternative hypotheses, t-statistic/z-statistic, degrees of freedom (if applicable), critical value, bell curve, and give a complete conclusion.

- Don't forget to state the **TITLE OF THE TOPIC** at the top of the page so we can identify which topic the **given problem** is for. The criteria for grading may be accessed on the next page.

- **Deadline: DECEMBER 7, 2024, 6:00 PM**

CATEGORY	**PERCENTAGE**
Neatness/Legibility of Submitted Work	50%
Ability to Follow Instructions	30%
Complexity of the Word Problem Given and Correctness of the Solutions	20%
SUM	100%

PAIRED T-TEST AND CONFIDENCE INTERVAL PROBLEM SET

NAME: *RODENAS, JAMES HAROLD D.*
SECTION: UCOS 4-1
DATE: December 7, 2024