Republic of the Philippines
**SULTAN KUDARAT STATE UNIVERSITY**
Colleges of Computer Studies
Isulan Campus, Isulan, Sultan Kudarat

Course Number/Description: **ALT312 - Automata Theory and Formal Languages** · Term: **Midterm**  Semester: **First Sem. SY: 2024-2025;**

Prepared by: **CYRUS B. RAEL**  Date Submitted:

**TABLE OF SPECIFICATIONS**

| Topics/Content | Knowledge | Comprehension | Application | Analysis | Synthesis | Evaluation | Total Score |
|---|---|---|---|---|---|---|---|
| 1. Introduction to Automata Theory | (1-10) | | | | | | 10 |
| 2. Finite State Machines (FSM) | (11-30) | | | | | | 20 |
| 3. Regular Languages | | (31-40) | | | | 41 | 10 |
|    a. Pumping Lemma | | | | | | | 5 |
|    b. Pushdown Automata (PDA) | | | | | | | |
|    c. Turing Machines | | | | | | | |
| **Total Score** | **30** | **10** | | | | **5** | **45** |

Summary:

| | No. of Items |
|---|---|
| Test I: | 10 |
| Test II: | 20 |
| Test III: | 10 |
| Test IV: | 5 |
| **Total Score** | **45** |

Checked by: _____
Date: _____