**Subject:** Introduction to Logic **Course Code:** PH101

**Program:** BS (MMC) 3rd Semester **Time Allowed:** 06hr

**Instructor:** Mehboob Alam **Total Marks:** 50

**Final Term Assignment**

**Note: Attempt all questions. Supplement your answers with self-made examples. Copied examples will be marked incorrect.**

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| **Q.#** | **Questions** | **Marks** |
| 1. | What is Aristotelian logic? Discuss the four kinds of categorical propositions with at least five examples of each. | 10 |
| 2. | Discuss the Venn Diagram technique for testing syllogism with the help of examples. | 10 |
| 3. | Discuss symbolic logic in terms of negation, conjunction and disjunction supplemented by examples. Also state the different symbols used in symbolic logic.  | 10 |
| 4. | What are truth value, truth table and validity? Discuss and draw truth tables for negation, conjunction and disjunction.  |  |
| 5. | Discussion argument by analogy, casual connection and cause and effect with the help of examples.  |  |

**GUIDELINES/CRITERIA**

In order to better dispensate the responsibility, follow the below stated rules.

* Must write name, ID on top left corner before writing your answers.
* Try to comprehend each question properly by reading at least twice, underlining the demanded variables etc.
* Make a rough sketch/blue-print of your answer, before writing formally.
* Answer must be in a logical order. Like first introduce the term, phenomenon in the question, then define/give multiple definitions, then discuss/explore the topic from various angles and finally commentary/conclusion or what your views are, what can be drawn from your discussion.
* Supplement your answer with examples wherever required.
* Properly reference your writing. (in-text referencing).
* And don’t be narrow mouthed. All these efforts are to refine your skills and qualities.

ALL THE BEST! STAY HOME, STAY SAFE

MEHBOOB ALAM