Bago University
Department of Philosophy
First Semester Examination, March 2019

First Year
(Philosophy Specialization)

Phil 1101
Deductive Logic -I
Time Allowed: (3) Hours

Answer FIVE questions.

1. Choose correct words, fill in the blanks and rewrite the followings.

(a)) Reasoning is a -------- kind of thinking. (simple, same, special)

(b) A -------- is a statement which is used as a reason for the conclusion.(process, premise, proposition)

(c) "So" is indicator of --------. (premise, conclusion, argument)

(d) Perceptual knowledge is known as -------- knowledge. (direct, indirect, reasoned)

(e) "Validity" comes from the Latin word ---------. (Logos, Validus, Logic)

(f) ---------- is a study of reasoning. (Thinking, Reason, Logic)

(g) The conclusion is a statement that is -------- from the premise(s). (derived, directed, down)

(h) The symbol (X) is the -------- relation. (sub-contrary, contrary, contradictory)

2. Write down the short note of the following.

(a) Argument (b) Direct knowledge

(c) Premise- indicators (d) Invalidity

3. Classify the nature of the following propositions.

(a) She is either a singer or a composer. (b) No proposition are non-elementary proposition.

(c) He is a law student. (d) M is shorter than B.

4. If **p is True** and **q is False** then determine the followings.

(a) $(p \vee q) \supset (p \cdot q)$ (b) $\sim\{\sim(p \cdot q) \vee (\sim q \supset \sim p)\}$

(c) $\sim(p \cdot q) \vee (\sim p \cdot \sim q)$ (d) $p \supset \{\sim(\sim q \cdot q \cdot p)\}$

5. Find out the Logical relation between the pairs of propositions.

(a) "Today is Monday" and "Today is not Monday".

(b) "Yu Yu lives in Myanmar" and "Yu Yu lives in Asia".

(c) $\sim(a \cdot b)$ and $\sim(b \supset a)$ (d) $p \supset q \equiv r \not\equiv s$

6. Find out the logical relation between the pairs of Non-Elementary propositions.

(a) "All Myanmar are hospitable" and Some Myanmar are hospitable". (b) "H i G" and "H o G"

(c) "No tigers are white" and "Some tigers are not white". (d) "All S are P" and "No S are P".

7. Find out the Logical relation between the followings.

(a) $\overline{P}$ i S and $\overline{P}$ e $\overline{S}$ (b) X a Y and $\overline{Y}$ i $\overline{X}$

»«