

## Chapter Two Formal Semantics Summary Sheet

**1. Principle of Bivalence:** In any possible situation, a sentence is either true or false in that situation (not both).

### 2. Negation Rule

▲	$\sim$ ▲
1	0
0	1

### 3. Conjunction Rule

●	▲	$(\bullet \wedge \blacktriangle)$
1	1	1
1	0	0
0	1	0
0	0	0

**A conjunction is only true when both its parts are true.**

### 4. Disjunction Rule

●	▲	$(\bullet \vee \blacktriangle)$
1	1	1
1	0	1
0	1	1
0	0	0

**A disjunction is only false when both its parts are false.**