

Subject: CSE 103

Student ID: 1705107

Chapter: 1; Section: 2; Exercise: 07

Verifying Student ID: 1705043

Solution of ques no:- 07

- (a) Since "whenever" means "if", we have $q \rightarrow p$.
- (b) Since "but" means "and", we have $q \wedge p$.
- (c) This sentence is saying the same thing as the sentence in part (a), so the answer is the same: $q \rightarrow p$.
- d) Again, we recall that "when" means "if" in logic: $\neg q \rightarrow \neg p$.