

Student ID: 1705018

Chapter: 1

Verifying Student ID: 1705099

Section: 1

Subject: Assignment from Book

Ex. no: 38

Ans: A truth table for $((p \rightarrow q) \rightarrow r) \rightarrow s$ this compound proposition is done below,

P	q	r	s	$P \rightarrow q$	$(P \rightarrow q) \rightarrow r$	$((P \rightarrow q) \rightarrow r) \rightarrow s$
T	T	T	T	T	T	T
T	T	T	F	T	T	F
T	T	F	T	T	F	T
T	T	F	F	T	F	T
T	F	T	T	F	T	T
T	F	T	F	F	T	F
T	F	F	T	F	T	T
T	F	F	F	F	T	F
F	T	T	T	T	T	T
F	T	T	F	T	T	F
F	T	F	T	T	F	T
F	T	F	F	T	F	T
F	F	T	T	T	T	T
F	F	T	F	T	T	F
F	F	F	T	T	F	T
F	F	F	F	T	F	T